Environment Canada
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Inland Waters Directorate
Western and Northern Region

SUMMARY OF WATER QUALITY DATA

FROM THE

ROCKY MOUNTAIN NATIONAL PARKS

(FOR THE PERIOD 1977 TO 1979)

JULY 1983

PRESENTED TO: PARKS CANADA
BY: WATER QUALITY BRANCH

WQB-83-1

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I INTRODUCTION

Contained in this report are all data from joint studies undertaken by the Water Quality Branch, Inland Waters Directorate, Department of Environment and Parks Canada, Department of Environment in three Western Canada Rocky Mountain Parks during the period January 1977 to December 1979.

The data are presented in three sections, one for each of the three parks included in the study. For ease in locating the results the stations are presented in alphabetical order. The alphabetical index is presented on page four, together with the corresponding data processing number.

These data are stored in the computerized National Water Quality Data Bank (NAQUADAT) of the Water Quality Branch. Following are terms commonly used in the data output:

Data Processing Number - the twelve digit code assigned to each sampling site. The first two numerals of the code refer to the water type, followed by two letters which designate the province in which the site is located. The next two digits and two letters refer to the basin and sub-basin respectively, followed by a final four digit number.

Method Codes - the six digit code number shown at the top of each column to indicate the analytical method employed to determine that parameter.

If the analytical method used was different from the one indicated on the headings, then the last three digits of the appropriate method code appear beside the actual result. The last digit of the code indicates where the analytical determination was performed. An "F", for example, indicates that the analysis was done in the field, while an "L" indicates that it was done in the central laboratory. A "P" indicates that a preservative was added to the sample at the time of collection and the analysis was later completed in the laboratory.

Terms and Units - Several units are employed to express the results. The more common ones are:

usie/cm - This unit was formerly reported as umho/cm. As a result of the change to the metric system, the unit is now usie/cm (microsiemens/cm).

mg/l - milligrams per litre

ug/l - micrograms per litre

JTU - Jackson turbidity units

no/100ml - number per 100 millilitres

rel units - relative colour units

L - less than

Q - A "Q" preceding a result signifies that at least one of the values used in the computation of this result was reported as less than the detection limit. In the computation of calculated parameters, analytical values reported as "less than the detection limit" are interpreted as being equal to the numeric value of the detection limit.

INDEX OF STATIONS

BANFF NATIONAL PARK

Station	Data Processing Number
Bow River Basin:	
- Bow River approx. 4.5 km above Canmore	00AL05BE0013
- Bow River at Hwy. #1, ab Lake Louise	00AL05BA0011
- Bow River below Confluence with Spray River	00AL05BD0002
North Saskatchewan River Basin:	
- North Saskatchewan River at Hwy. #93 (Saskatchewan Crossing)	00AL05DA0002
- North Saskatchewan River at Whirlpool Point	00AL05DA0001

JASPER NATIONAL PARK

- Athabasca River above Jasper	00AL07AA0007
- Athabasca River at Hwy #93A, Athabasca Falls	00AL07AA0015
- Athabasca River at Hwy. #16 Bridge, below Confluence with Snaring River	00AL07AA0023

WATERTON LAKES NATIONAL PARKS

- Belly River at Hwy. #6	00AL05AD0060
- Waterton River at Hwy. #6 Bridge, near Waterton	00AL05AD0005

II

RESULTS FROM

BANFF NATIONAL PARK

STATION **00AL08BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11 612900**E **5664500**N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT'L PARK

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
18	04	78	1640	0417	5.	21.9	360.	331.	7.9	8.4		1.5
09	05	78	1430	0417	9.	18.0	365.	289.	8.1	8.5		.5
20	06	78	1300	0417	8.	19.6	220.	211.	8.0	8.2		1.8
19	07	78	1430	0417	10.	22.1	225.	222.	8.2	8.3		2.2
09	08	78	1245	0417	14.	20.4	242.	233.	8.2	8.3		2.2
19	09	78	1530	0417	9.5	19.4	190.	264.	8.1	8.3		.5
17	10	78	1510	0417	6.0	20.1	280.	295.	8.5	8.3		.5
21	11	78	1640	0417	.5	21.8	335.	349.	8.6	8.3		1.2
14	12	78	0940	0417	1.0	20.9	365.	347.	8.1	8.0		.3
09	01	79	1420	0417	.5	22.2	400.	361.	8.0	8.1		.5
06	02	79	1430	0417	1.5	22.7	410.	361.	7.9	8.1		.5
08	03	79	0915	0417	0.	22.2	360.	361.	8.2	7.9		1.0
03	04	79	1445	0417	1.5	18.8		300.	8.5	8.4	.6	.8
08	05	79	1245	0417	7.5	22.8	370.	365.	8.1	8.1	.8	2.7
06	06	79	1520	0417	7.5	22.1	200.	199.	8.2	7.9		16.
24	07	79	1250	0417	11.5	20.9		100.	7.6	8.0	3.2	3.6
20	08	79	0830	0417	10.5	21.4		229.	8.6	8.1	2.8	1.4
11	09	79	1155	0417	9.	18.7		156.	8.5	8.1	2.0	5.5
10	10	79	1325	0417	8.	19.1		309.		8.2	.6	.6
14	11	79	1325	0417	2.5	16.3	330.	350.	8.0	8.1	.9	.9
03	12	79	0945	0417	1.	20.4	305.	373.	8.3	8.1	.4	.4

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
18	04	78	1640	0417	L5.	L1.		10.2			
09	05	78	1430	0417	5.	1.		10.8			
20	06	78	1300	0417	L5.	1.		10.5			
19	07	78	1430	0417	L5.	2.		10.3			
09	08	78	1245	0417	L5.	3.		10.2			
19	09	78	1530	0417	L5.	L1.		10.7			
17	10	78	1510	0417	L5.	2.		11.3			
21	11	78	1640	0417	L5.	2.		12.6			
14	12	78	0940	0417	L5.	1.		12.5			
09	01	79	1420	0417	5.	4.		12.7			
06	02	79	1430	0417	L5.	2.		12.1			
08	03	79	0915	0417	L5.	L1.		12.1			
03	04	79	1445	0417	5.	1.		13.7			
08	05	79	1245	0417	5.	2.		11.3			
06	06	79	1520	0417	10.	3.		10.7			
24	07	79	1250	0417	5.	1.		9.8			
20	08	79	0830	0417	L5.	L1.		10.2			
11	09	79	1155	0417	L5.	1.		10.			
10	10	79	1325	0417	L5.	2.		11.5			
14	11	79	1325	0417	L5.	L1.		11.8			
03	12	79	0945	0417	L5.	L1.		11.9			

STATION 00AL05BB0013 LAT. 51D 7M 21S LONG. 115D 23M 12S UTM 11 612900E 5664500N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT'L PARK

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO/DL	36102F FECAL STREP. MF NO/DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
18	04	78	1640	0417	152. 02L	10. 12L		47.2	16.2			184.6
09	05	78	1430	0417	370. 02L	26. 12L	6. 02L	42.3	15.3			168.6
20	06	78	1300	0417	130. 02L	2. 12L	2. 02L	30.0	10.1			116.5
19	07	78	1430	0417	250. 02L	54. 12L	L2. 02L	28.0	9.5			109.0
09	08	78	1245	0417	160. 02L	42. 12L	14. 02L	28.0	9.8			110.3
19	09	78	1530	0417	8. 02L	L2. 12L	L2. 02L	33.2	11.8			131.5
17	10	78	1510	0417		L2. 12L	L2. 02L	39.4	13.1			152.3
21	11	78	1640	0417	18. 02L	L2. 12L	L2. 02L	47.2	15.4			181.3
14	12	78	0940	0417		20. 12L	26. 02L	45.9	15.3			177.6
09	01	79	1430	0417	26. 02L	L2. 12L	32. 02L	48.9	15.7			186.7
06	02	79	1430	0417	650.	110.	206.	47.6	16.3			186.0
06	03	79	0915	0417	400.	18.	68.	45.4	16.1			179.6
03	04	79	1445	0417	2.	L2.	L2.	46.8	15.9			182.3
06	05	79	1245	0417	L2.	L2.	L2.	43.7	14.8			170.1
06	06	79	1530	0417	108.	10.	4.	24.9	8.7			96.0
24	07	79	1250	0417	850.	210.	122.	26.2	8.7			101.2
20	08	79	0930	0417	140.	73.	51.	28.2	10.0			111.6
11	09	79	1155	0417	10.	4.	6.	35.8	11.7			137.6
10	10	79	1325	0417	14.	L2.	2.	40.7	13.4			156.8
14	11	79	1325	0417		4.	L2.	43.9	15.1			171.8
03	12	79	0945	0417	30.	11.	17.	46.8	16.4			184.4

SAMPLE DATE D	M	Y	CST HR	SUBM ID	06301L CARBONATE (CALCD.) CO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	10101L ALKALINITY TOTAL CACO3 MG/L	11103L SODIUM DISSOLVED NA MG/L	19103L POTASSIUM DISSOLVED K MG/L	17206L CHLORIDE DISSOLVED CL MG/L	09105L FLUORIDE DISSOLVED F MG/L
18	04	78	1640	0417	1.	1.2	148.	124.	1.5	.4	1.4	.12
09	05	78	1430	0417	3.	2.8	141.	121.	1.4	.5	1.3	.10
20	06	78	1300	0417	0.	.0	113.	93.	.8	.3	.6	.07
19	07	78	1430	0417	0.	.0	106.	87.	.7	.3	.5	.06
09	08	78	1245	0417	0.	0.	107.	88. 06L	.7	.2	.5	.06
19	09	78	1530	0417	0.	.0	122.	100.	.9	.4	.7	.08
17	10	78	1510	0417	0.	.0	117.	96. 06L	1.0	.3	.8	.09
21	11	78	1640	0417	0.	.0	141.	116. 06L	1.2	.4	.9	.14
14	12	78	0940	0417	0.	.0	134.	110. 06L	1.5	.5	1.2	.11
09	01	79	1430	0417	0.	.0	144.	118. 06L	1.3	.4	.9	.14
06	02	79	1430	0417	0.	0.	110.	90. 06L	1.6	.6	1.2	.13
06	03	79	0915	0417	0.	.0	139.	114. 06L	1.9	.5	2.0	.13
03	04	79	1445	0417	0.	.0	146.	120. 06L	1.4	.4	1.5	.11
06	05	79	1245	0417	0.	.0	129.	106. 06L	1.4	L.1	1.5	.11
06	06	79	1530	0417	0.	.0	84.	69. 06L	.6	.3	.5	.05
24	07	79	1250	0417	0.	.0	93.	76. 06L	.6	.2	.6	.06
20	08	79	0930	0417	0.	.0	104.	85. 06L	1.0	.4	1.0	.05
11	09	79	1155	0417	0.	.0	119.	98. 06L	.8	.2	.7	.13
10	10	79	1325	0417	0.	.0	140.	115. 06L	1.0	.3	.8	.13
14	11	79	1325	0417	0.	.0	141.	116. 06L	1.4	.4	1.2	.10
03	12	79	0945	0417	0.	.0	146.	120. 06L	1.6	.5	1.3	.11

STATION **00AL05BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11 612900** E **5684500** N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT L PARK

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
CST				SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
18	04	78	1640	0417	50.	4.2 02L	195.		Q1.2	L1. 01L	17	
09	05	78	1430	0417	40.	4.1 02L	178.		3.1	3. 01L	06	
20	06	78	1300	0417	19.	3.6 02L	120.		2.1	2. 01L	.10	
19	07	78	1430	0417	17.	3.0	111.		1.4	1. 01L	.37	
09	08	78	1245	0417	20.	2.8	115.		Q1.2	L1. 01L	.17	
19	09	78	1530	0417	26.	3.0	136.		1.1	1. 01L	.09	
17	10	78	1510	0417	29.	4.0	145.		1.1	1.	.08	
21	11	78	1640	0417	45.	4.5	184.		Q1.1	L1.	.14	
14	12	78	0940	0417	39.	4.4	174.		1.1	1.	.08	
09	01	79	1420	0417	45.	4.7	188.		Q1.2	L1.	.16	
06	02	79	1430	0417	43.	4.7	169.		1.1	1.	.08	
06	03	79	0915	0417	46.	4.4	185.		1.1	1.	.11	
03	04	79	1445	0417	48.	4.3	190.				.24	
08	05	79	1245	0417	36.	4.2	Q165.		1.2	1.	.15	
06	06	79	1520	0417	15.	3.2	95.		3.6	2.	1.6	
24	07	79	1250	0417	17.	2.9	102.		Q1.3	L1.	.29	
20	08	79	0830	0417	20.	2.9	115.		1.2	1.	.24	
11	09	79	1155	0417	32.	3.5	144.		Q1.2	L1.0	.22	
10	10	79	1325	0417	40.	3.7	169.		Q1.2	L1	.20	
14	11	79	1325	0417	42.	4.2	178.		Q1.1	L1	.09	
03	12	79	0945	0417	51.	4.2	194.		Q1.1	L1.	.09	

SAMPLE DATE					06152L CARBON DISSOLVED INORGANIC	15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
CST				SUBM	C	P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
18	04	78	1640	0417	29. 51L	.020	L.003			.20	.03	.17
09	05	78	1430	0417	25. 51L	.008	.006			.28	.02	.26
20	06	78	1300	0417	21. 51L	.011	.004			.32	.04	.28
19	07	78	1430	0417	19. 51L	.005	L.003			.11	.03	.08
09	08	78	1245	0417	22. 51L	.007	.004			.10	.03	.07
19	09	78	1530	0417	23. 51L	.005	.004			.12	.02	.10
17	10	78	1510	0417	25.	.006	.005			.13	.02	.11
21	11	78	1640	0417	17.	.010	.007			.16	.05	.11
14	12	78	0940	0417	29.	.010	.005			.19	.03	.16
09	01	79	1420	0417	30.	.012	.004			.15	.03	.12
06	02	79	1430	0417	31.	.013	.009			.16	.02	.14
06	03	79	0915	0417	27.	.016	.010			.18	.02	.16
03	04	79	1445	0417	31.	.022	.013			.14	.05	.09
08	05	79	1245	0417	29.	.007	.004			.17	.04	.13
06	06	79	1520	0417	20.	.02	L.003			.24	.11	.13
24	07	79	1250	0417	18.	.004	L.003			.09	.02	.07
20	08	79	0830	0417	13.	.010	L.003			.12	.02	.10
11	09	79	1155	0417	22.	.005	L.003			.10	.02	.08
10	10	79	1325	0417	25.	.004	L.003			.10	.03	.07
14	11	79	1325	0417	28.	.017	.009			.18	.02	.16
03	12	79	0945	0417	27.	.010	.009			.23	.03	.20

STATION **00AL05BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11 612900**E **5664500**N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT L PARK

SAMPLE DATE					07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
D	M	CST Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	CN MG/L	B MG/L	AS MG/L	SE MG/L
18	04	78	1640	0417			.06		.002	L.02	L.0005	L.0005
09	05	78	1430	0417			.06		.009	L.02	L.0005	L.0005
20	06	78	1300	0417			.11		L.005	.02	L.0005	L.0005
19	07	78	1430	0417			.04		L.001	L.02	L.0005	L.0005
09	08	78	1245	0417			.04		L.005	L.02	L.0005	L.0005
19	09	78	1530	0417			.06		.001	.02	L.0005	L.0005
17	10	78	1510	0417			.07		.003	.02	L.0005	L.0005
21	11	78	1640	0417			.06		.011	.02	L.0005	L.0005
14	12	78	0940	0417			.11		.002	.03	L.0005	L.0005
09	01	79	1420	0417			.08					
06	02	79	1430	0417			.12		.003	.02	L.0005	L.0005
06	03	79	0915	0417			.11		.002	.02	L.0005	L.0005
03	04	79	1445	0417					.001	L.02	L.0005	L.0005
06	05	79	1245	0417			.06		.002	.04	L.0005	L.0005
06	06	79	1520	0417			.06		.013	.03	L.0005	L.0005
24	07	79	1250	0417			.05		L.001	L.02	L.0005	L.0005
20	08	79	0830	0417			.07		.001	L.02	L.0005	L.0005
11	09	79	1155	0417			.04		.001	.02	L.0005	L.0005
10	10	79	1325	0417			.05		L.001	L.02	L.0005	L.0005
14	11	79	1325	0417			.10		L.001	.03	L.0005	L.0005
03	12	79	0945	0417			.13		.001	.03	L.0005	L.0005

SAMPLE DATE					04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	CST Y	HR	SUBM ID	BE MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
18	04	78	1640	0417			L.001		L.01	.05	L.002	
09	05	78	1430	0417			L.001		L.01	L.04	L.002	
20	06	78	1300	0417			.001		L.01	.07	L.002	
19	07	78	1430	0417			L.001		L.01	.06	L.002	
09	08	78	1245	0417			L.001		L.01	.13	L.002	
19	09	78	1530	0417			L.001		L.01	L.04	L.002	
17	10	78	1510	0417			L.001		L.01	L.04	L.002	
21	11	78	1640	0417			L.001		L.01	.06	L.002	
14	12	78	0940	0417			L.001		L.01	.09	L.002	
06	02	79	1430	0417			L.001		L.01	L.04	L.002	
06	03	79	0915	0417			L.001		L.01	.04	L.002	
03	04	79	1445	0417			.001		L.01	.09	L.002	
06	05	79	1245	0417			L.001		L.01	.05	L.002	
06	06	79	1520	0417			L.001		.02	.32	L.002	
24	07	79	1250	0417			L.001		L.01	.09	L.002	
20	08	79	0830	0417			L.001		L.01	.06	L.002	
11	09	79	1155	0417			L.001		L.01	.11	L.002	
10	10	79	1325	0417			L.001		L.01	.05	L.002	
14	11	79	1325	0417			L.001		L.01	.07	L.002	
03	12	79	0945	0417			L.001		L.01	.06	L.002	

STATION **00AL05BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11 612900**E **5664500**N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT'L PARK

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	47301P SILVER EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80313P MERCURY EXTRBLE.
CST				SUBM	CU	ZN	SR	MO	AG	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
18	04	78	1640	0417	L.001	.001				L.001	.1	L.02
09	05	78	1430	0417	L.001	L.001				L.001	.1	L.02
20	06	78	1300	0417	L.001	L.001				L.001	L.1	L.02
19	07	78	1430	0417	L.001	L.001				L.001	L.1	L.02
09	08	78	1245	0417	L.001	.002				L.001	L.1	L.02
19	09	78	1530	0417	L.001	.001				L.001	L.1	L.02
17	10	78	1510	0417	L.001	L.001				L.001	L.1	L.02
21	11	78	1640	0417	L.001	L.001				L.001	L.1	L.02
14	12	78	0940	0417	L.001	L.001				L.001	L.1	L.02
09	01	79	1420	0417								L.02
06	02	79	1430	0417		L.001				L.001	L.1	L.02
08	03	79	0915	0417	.002	L.001				L.001	L.1	L.02
03	04	79	1445	0417	.002	L.001				L.001	L.1	L.02
08	05	79	1245	0417	.002	L.001				L.001	L.1	
06	06	79	1520	0417	L.001	.001				L.001	L.1	
24	07	79	1250	0417	.001	.001				L.001	L.1	
20	08	79	0830	0417	.001	L.001				L.001	L.1	
11	09	79	1155	0417	.003	.001				L.001	L.1	
10	10	79	1325	0417	L.001	.001				L.001	L.1	
14	11	79	1325	0417	L.001	L.001				L.001	L.1	
03	12	79	0945	0417	.002	.001				L.001	L.1	

SAMPLE DATE					80011P MERCURY TOTAL	82302P LEAD EXTRBLE.	06535P PHENOLIC MATERIAL	06521P OIL AND GREASE	06510P AROMATIC HYDROC.	06500P N-ALKANES	10701P SURFACT. N-ALKYL SULPHNTS.	10711P NTA NITRILOTRI ACETIC AC.
CST				SUBM	HG	PB	PHENOL			C10 - C26	LAS	H3NTA
D	M	Y	HR	ID	UG/L	MG/L	MG/L	MG/L	UG/L	UG/L	MG/L	MG/L
18	04	78	1640	0417		L.004	L.001					
09	05	78	1430	0417		L.004	L.001					
20	06	78	1300	0417		L.004	.001					
19	07	78	1430	0417		L.004	.001					
09	08	78	1245	0417		L.004	L.001					
19	09	78	1530	0417		L.004	L.001					
17	10	78	1510	0417		L.004	L.001					
21	11	78	1640	0417		L.004	L.001					
14	12	78	0940	0417		L.004	L.001					
06	02	79	1430	0417		L.004	L.001					
08	03	79	0915	0417		L.004	L.001					
03	04	79	1445	0417		L.004	L.001					
08	05	79	1245	0417	L.02	L.004	.001					
06	06	79	1520	0417	L.02	L.004	.001					
24	07	79	1250	0417	L.02	L.004	.001					
20	08	79	0830	0417	L.02	L.004	.003					
11	09	79	1155	0417	L.02	L.004	.001					
10	10	79	1325	0417	L.02	L.004	L.001					
14	11	79	1325	0417	L.02	L.004	L.001					
03	12	79	0945	0417	.11	L.004	L.001					

STATION **00AL05BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11 612900E 5664500N**

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT'L PARK

SAMPLE DATE CST D	M	Y	HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
18	04	78	1640	0417		L.004		L.002	L.001	L.01	L.001	L.002
09	05	78	1430	0417		L.004		L.002	L.001	L.01	L.001	L.002
20	06	78	1300	0417	L.001	L.004		L.002	L.001	L.01	L.001	L.002
19	07	78	1430	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
09	08	78	1245	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
19	09	78	1530	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
17	10	78	1510	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
21	11	78	1640	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
14	12	78	0940	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
09	01	79	1420	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	02	79	1430	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	03	79	0915	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
03	04	79	1445	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
08	05	79	1245	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	06	79	1520	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
24	07	79	1250	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
20	08	79	0830	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
11	09	79	1155	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
10	10	79	1325	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
14	11	79	1325	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
03	12	79	0945	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002

SAMPLE DATE CST D	M	Y	HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
18	04	78	1640	0417		L.001	L.003	L.003	L.002	L.001	L.001	L.001
09	05	78	1430	0417		L.001	L.003	L.003	L.002	L.001	.001	L.001
20	06	78	1300	0417	L.001	L.001	L.003	L.003	L.002	L.001	.001	L.001
19	07	78	1430	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
09	08	78	1245	0417	L.001	L.001	L.003	L.003	L.002	L.001	.005	L.001
19	09	78	1530	0417	L.001	L.001	L.003	L.003	L.002	L.001	.004	L.001
17	10	78	1510	0417	L.001	L.001	L.003	L.003	L.002	L.001	.001	L.001
21	11	78	1640	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
14	12	78	0940	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
09	01	79	1420	0417	L.001	L.001	L.003	L.003	L.002	L.001	.002	L.001
06	02	79	1430	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
06	03	79	0915	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
03	04	79	1445	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
08	05	79	1245	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
06	06	79	1520	0417	L.001	L.001	L.003	L.003	L.002	L.001	.002	L.001
24	07	79	1250	0417	L.001	L.001	L.003	L.003	L.002	L.001	.004	.001
20	08	79	0830	0417	L.001	L.001	L.003	L.003	L.002	L.001	.004	L.001
11	09	79	1155	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
10	10	79	1325	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
14	11	79	1325	0417	L.001	L.001	L.003	L.003	L.002	L.001	.001	L.001
03	12	79	0945	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001

STATION **00AL05BE0013** LAT. **51** D **7** M **21** S LONG. **115** D **23** M **12** S UTM **11** **612900**E **5664500**N

BOW RIVER ABOUT 4.5 KM ABOVE CANMORE
BELOW SE BOUNDARY OF BANFF NAT'L PARK

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
18	04	78	1640	0417	L.002	L.002		L.004	L.002	L.2		L.009
09	05	78	1430	0417	L.002	L.002		.032	L.002	L.2		L.009
20	06	78	1300	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
19	07	78	1430	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
09	08	78	1245	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
19	09	78	1530	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
17	10	78	1510	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
21	11	78	1640	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
14	12	78	0940	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
09	01	79	1420	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
06	02	79	1430	0417	L.002	L.002		.03	L.002	L.2	L.004	L.009
08	03	79	0915	0417	L.002	L.002		.004	L.002	L.2	L.004	L.009
03	04	79	1445	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
08	05	79	1245	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
06	06	79	1520	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
24	07	79	1250	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
20	08	79	0830	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
11	09	79	1155	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
10	10	79	1325	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
14	11	79	1325	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
03	12	79	0945	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18555P DICHLORPROP UG/L	1860YZ PICLORAM (TORDON) UG/L		18160L AROCLOR 1254 (PCB'S) UG/L	18161L AROCLOR 1248 (PCB'S) UG/L	18162L AROCLOR 1260 (PCB'S) UG/L
18	04	78	1640	0417	L.004			L.002	L.002	L.005
09	05	78	1430	0417	L.004			L.002	L.002	L.005
20	06	78	1300	0417	L.004	L.2	00P	L.002	L.002	L.005
19	07	78	1430	0417	L.004	L.2	01P	L.002	L.002	L.005
09	08	78	1245	0417	L.004	L.2	01P	L.002	L.002	L.005
19	09	78	1530	0417	L.004	L.2	00P	L.002	L.002	L.005
17	10	78	1510	0417	L.004			L.002	L.002	L.005
21	11	78	1640	0417	L.004	L.2	01P	L.002	L.002	L.005
14	12	78	0940	0417	L.004	L.2	01P	L.002	L.002	L.005
09	01	79	1420	0417	L.004	L.2	01P	L.002	L.002	L.005
06	02	79	1430	0417	L.004	L.2	01P	L.002	L.002	L.005
08	03	79	0915	0417	L.004	L.2	01P	L.002	L.002	L.005
03	04	79	1445	0417	L.004	L.2	01P	L.002	L.002	L.005
08	05	79	1245	0417	L.004	L.2	01P	L.002	L.002	L.005
06	06	79	1520	0417	L.004	L.2	01P	L.002	L.002	L.005
24	07	79	1250	0417	L.004	L.2	01P	L.002	L.002	L.005
20	08	79	0830	0417	L.004	L.2	01P	L.002	L.002	L.005
11	09	79	1155	0417	L.004	L.2	01P	L.002	L.002	L.005
10	10	79	1325	0417	L.004	L.2	01P	L.002	L.002	L.005
14	11	79	1325	0417	L.004	L.2	01P	L.002	L.002	L.005
03	12	79	0945	0417	L.004	L.2	01P	L.002	L.002	L.005

STATION **00AL05BA0011** LAT. **51** D **26** M **36** S LONG. **116** D **12** M **42** S UTM **11 554800**E **5699200**N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
11	01	77	1620	0003	0.	16.9		184.	8.3	8.0		1.3
14	06	77	1530	0003	6.	15.8	205.	146.		8.0		3.2
15	08	77	0830	0003	7.	22.5	144.	132.	8.4	8.1		7.2
03	10	77	1130	0003	5.0	20.7	154.	155.	7.8	8.2	1.4	3.5
09	01	78	1320	0003	1.	18.5	200.	182.	8.4	8.1	.6	1.8
18	04	78	1445	0417	3.5	22.3	230.	183.	8.1	8.2		.9
09	05	78	1230	0417	4.	17.4	240.	175.	8.0	8.4		.3
20	06	78	1140	0417	6.	19.7	180.	151.	8.2	8.2		.8
19	07	78	1300	0417	10.	22.5	170.	163.	8.0	8.2		2.2
09	08	78	1035	0417	11.	22.1	168.	149.	8.0	8.2		2.2
19	09	78	1430	0417	9.0	19.2	160.	153.	8.3	8.2		1.2
17	10	78	1300	0417	6.0	20.5	170.	173.	8.4	8.2		.8
21	11	78	1440	0417	0.	21.5	165.	204.	8.4	8.2		5.0
13	12	78	1430	0417	.5	20.5	230.	208.	8.0	8.0		.3
09	01	79	1300	0417	.5	22.3	260.	209.	8.0	8.1		.2
06	02	79	1245	0417	1.0	22.4	265.	205.	7.8	8.1	.2	.5
07	03	79	1530	0417	1.0	22.8	285.	204.	8.1	7.9	.9	1.2
03	04	79	1320	0417	1.0	19.1		180.	8.3	7.9	.4	.4
08	05	79	1125	0417	2.	22.8	265.	208.	8.0	7.9	.6	.5
06	06	79	1500	0417	5.5	22.	160.	153.	8.2	7.9		4.4
24	07	79	1025	0417	11.	20.1	260.			8.0	3.0	4.3
20	08	79	1015	0417	11.5	21.1		143.	7.9	8.1	3.0	1.9
11	09	79	1030	0417	7.	18.4		146.	8.4	8.0	2.9	2.4
10	10	79	1155	0417	4.5	19.1		161.		8.0	.9	1.2
14	11	79	1150	0417	1.0	15.6	175.	189.	7.9	7.9	1.0	.8
03	12	79	1140	0417	.8	20.6	175.	180.	8.0	8.1	.2	.4

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
11	01	77	1620	0003	L5.			10.9			
14	06	77	1530	0003	L5.	1.		9.6			
15	08	77	0830	0003	L5.	4.		9.1			
03	10	77	1130	0003	L5.	1.		11.1			
09	01	78	1320	0003	L5.	L1.		12.0			
18	04	78	1445	0417	L5.	L1.		10.8			
09	05	78	1230	0417	L5.	1.		11.1			
20	06	78	1140	0417	L5.	L1.		10.5			
19	07	78	1300	0417	L5.	L1.		9.6			
09	08	78	1035	0417	L5.	L1.		9.3			
19	09	78	1430	0417	L5.	2.		9.8			
17	10	78	1300	0417	L5.	1.		10.4			
21	11	78	1440	0417	L5.	10.		11.8			
13	12	78	1430	0417	L5.	L1.		13.8			
09	01	79	1300	0417	L5.	L1.		12.6			
06	02	79	1245	0417	L5.	L1.		12.1			

STATION **00AL05BA0011** LAT. **51** D **26** M **36** S LONG. **116** D **12** M **42** S UTM **11** **554800**E **5699200**N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
CST				SUBM				O2	O2	O2	
D	M	Y	HR	ID	REL. UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	03	79	1530	0417	L5.	2.		12.1			
03	04	79	1320	0417	5.	1.		12.7			
08	05	79	1125	0417	10.	2.		11.1			
06	06	79	1500	0417	10.	6.		11.0			
24	07	79	1025	0417	5.	L1.		9.3			
20	08	79	1015	0417	L5.	2.		10.6			
11	09	79	1030	0417	L5.	1.		11.			
10	10	79	1155	0417	L5.	2.		11.5			
14	11	79	1150	0417	L5.	L1.		11.8			
03	12	79	1140	0417	L5.	L1.		11.9			

SAMPLE DATE					36002F COLIFORMS TOTAL	36012F COLIFORMS FECAL	36102F FECAL STREP.	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10606L HARDNESS TOTAL LAB CALC.	10602L HARDNESS TOTAL (CALCD.)
CST				SUBM	MF	MF	MF	CA	MG	MG	CACO3	CACO3
D	M	Y	HR	ID	NO/DL	NO/DL	NO/DL	MG/L	MG/L	MG/L	MG/L	MG/L
11	01	77	1620	0003				25.1	10.9			107.6
14	06	77	1530	0003				19.1	7.9			80.2
15	08	77	0930	0003				18.7	7.0			75.5
03	10	77	1130	0003				21.9	6.0			79.4
09	01	78	1320	0003				24.7	12.3			112.3
18	04	78	1445	0417	L2. 02L	L2. 12L	L2. 02L	24.5	10.0			102.3
09	05	78	1230	0417	22. 02L	L2. 12L	L2. 02L	23.8	9.7			99.4
20	06	78	1140	0417	L2. 02L	L2. 12L	L2. 02L	20.2	7.7			82.1
19	07	78	1300	0417	18. 02L	2. 12L	L2. 02L	19.8	7.1			78.7
09	08	78	1035	0417	12. 02L	4. 12L	L2. 02L	18.6	7.5			77.3
19	09	78	1430	0417	6. 02L	L2. 12L	12. 02L	20.0	7.6			81.2
17	10	78	1350	0417	4. 02L	L2. 12L	L2. 02L	23.8	8.0			92.4
21	11	78	1440	0417	96. 02L	L2. 12L	12. 02L	26.3	10.2			107.7
13	12	78	1430	0417	2. 02L	L2. 12L	L2. 02L	25.2	9.9			103.7
09	01	79	1300	0417	2. 02L	L2. 12L	L2. 02L	25.8	10.3			106.8
06	02	79	1245	0417	L2. 02L	L2. 12L	L2. 02L	25.2	10.6			106.6
07	03	79	1530	0417	L2. 02L	L2. 12L	2. 02L	24.2	10.2			102.4
03	04	79	1320	0417	L2.	L2.	L2.	24.0	9.6			99.5
08	05	79	1125	0417	8.	L2.	L2.	24.0	9.4			98.6
06	06	79	1500	0417	10.	L2.	L2.	18.8	7.5			77.8
24	07	79	1025	0417	2.	L2.	4.	18.1	6.7			72.8
20	08	79	1015	0417	2.	2.	2.	18.8	7.5			77.8
11	09	79	1030	0417	L2.	L2.	L2.	17.9	6.7			72.3
10	10	79	1155	0417	3.	L2.	2.	20.0	7.3			80.0
14	11	79	1150	0417		L2.	L2.	22.7	8.6			92.1
03	12	79	1140	0417	L2.	L2.	L2.	22.3	8.9			92.3

STATION 00AL06BA0011 LAT. 51 D 26 M 36 S LONG. 116D 12 M 42 S UTM 11 554600E 5666200I

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE					06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL		11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	CST Y	HR	SUBM ID	CO3 MG/L	CACO3 MG/L	HCO3 MG/L	CACO3 MG/L		NA MG/L	K MG/L	CL MG/L	F MG/L
11	01	77	1630	0003	0.	.0	107.	87.8		.6	.2	.2	L.05
14	06	77	1530	0003	0.	.0	79.	65.0		.5	2.9	.3	L.05
15	08	77	0830	0003	0.	.0	79.	65.		.5	.2	.3	L.05
03	10	77	1130	0003	0.	.0	87.	71.0		.6	.1	.2	L.05
09	01	78	1320	0003	0.	.0	103.	84.5		.7	.2	.3	L.05
18	04	78	1445	0417	0.	0.	103.	84.4		.7	.2	.3	L.05
09	05	78	1230	0417				84.6		.8	.3	.4	L.05
20	06	78	1140	0417	0.	.0	88.	72.		.5	.2	.3	L.05
19	07	78	1300	0417	0.	0.	84.	69.		.5	.2	.2	L.05
09	08	78	1035	0417	0.	.0	79.	65.		.3	.2	.2	L.05
19	09	78	1430	0417	0.	0.	83.	68.		.5	.3	.2	L.05
17	10	78	1300	0417	0.	.0	78.	64.	06L	.5	.2	.2	L.05
21	11	78	1440	0417	0.	.0	99.	81.	06L	.7	.3	.4	L.05
13	12	78	1430	0417	0.	.0	96.	80.	06L	.6	.3	.3	L.05
09	01	79	1300	0417	0.	.0	96.	79.	06L	.6	.3	.3	L.05
06	02	79	1245	0417	0.	.0	100.	82.	06L	.7	.3	.3	L.05
07	03	79	1530	0417	0.	.0	93.	76.	06L	1.2	.2	.9	
03	04	79	1330	0417	0.	.0	91.	75.	06L	.6	.1	.3	L.05
08	05	79	1125	0417	0.	.0	95.	78.	06L	.1	L.1	.6	L.05
06	06	79	1600	0417	0.	.0	71.	58.	06L	.4	.2	.3	L.05
24	07	79	1025	0417	0.	.0	71.	58.	06L	.4	.1	.2	L.05
20	08	79	1015	0417	0.	.0	76.	62.	06L	.4	.2	.2	L.05
11	09	79	1030	0417	0.	.0	73.	60.	06L	.4	.1	.3.	L.05
10	10	79	1155	0417	0.	.0	85.	70.	06L	.5	.3	.4	L.05
14	11	79	1150	0417	0.	.0	87.	71.	06L	.5	.2	.3	L.05
03	12	79	1140	0417	0.	.0	84.	69.	06L	1.0	.2	.3	L.05

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE		00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC		06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
D	M	CST Y	HR	SUBM ID	SO4 MG/L	SIO2 MG/L		CALCD.) MG/L	C MG/L	(CALCD.) MG/L	C MG/L		C MG/L	C MG/L
11	01	77	1630	0003	12.	3.3	02L	105.	2.					20.
14	06	77	1530	0003	8.2	2.4	02L	80.	3.					15.
15	08	77	0830	0003	8.2	2.0	02L	76.	2.					14.
03	10	77	1130	0003	8.0	2.4	02L	82.	L1.					17.
09	01	78	1320	0003	12.	2.9	02L	104.	L1.					16.
18	04	78	1445	0417	11.	3.0	02L	100.		Q1.0	L1.	01L	.01	
09	05	78	1230	0417	9.1	3.7	02L	99.		2.0	2.	01L	.02	
20	06	78	1140	0417	8.2	2.7	02L	83.		2.1	2.	01L	.05	
19	07	78	1300	0417	8.	2.2		79.		1.2	1.	01L	.16	
09	08	78	1035	0417	8.	1.8		76.		Q1.1	L1.	01L	.12	
19	09	78	1430	0417	8.	2.2		80.		1.1	1.	01L	.06	
17	10	78	1300	0417	9.	2.4		83.		1.0	1.		.04	
21	11	78	1440	0417	10.	3.2		100.		Q1.7	L1.		.68	
13	12	78	1430	0417	11.	3.0		98.		1.0	1.		.03	
09	01	79	1300	0417	12.	3.0		100.		Q1.0	L1.		.03	
06	02	79	1245	0417	12.	3.1		101.		1.0	1.		.03	

STATION **09AL005BA0011** LAT. **51** D **26** M **36** S LONG. **116** D **12** M **42** S UTM **11** **554800**E **5699200**N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST		SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	03	79	1530	0417	12.	3.1	97.		1.0	1.	.03	
03	04	79	1320	0417	11.8	2.9	94.		1.0	1.	.03	
08	05	79	1125	0417	9.6	3.8	Q94.		2.1	2.	.08	
06	06	79	1800	0417	7.4	2.7	72.		1.4	1.	.40	
24	07	79	1025	0417	8.6	2.0	71.		Q1.2	L1.	.17	
20	08	79	1015	0417	8.5	1.9	75.		Q1.2	L1.	.22	
11	09	79	1630	0417	8.4	1.8	72.		Q1.1	L1.	.14	
10	10	79	1155	0417	8.9	2.1	82.		Q1.1	L1.	.08	
14	11	79	1150	0417	9.6	2.5	87.		Q1.1	L1.	.05	
03	12	79	1140	0417	9.3	2.3	86.		Q1.0	L1.	.04	

SAMPLE DATE					06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST		SUBM	C		P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
11	01	77	1620	0003			L.003						
14	06	77	1530	0003			.004						
15	08	77	0830	0003			.003						
03	10	77	1130	0003			.003						
09	01	78	1320	0003			L.003						
18	04	78	1445	0417	20.	51L	L.003	L.003			Q.13	L.01	.12
09	05	78	1230	0417	7.	51L	.005	L.003			Q.09	L.01	.08
20	06	78	1140	0417	16.	51L	L.003	L.003			.12	.03	.09
19	07	78	1300	0417	15.	51L	.003	L.003			.09	.02	.07
09	08	78	1035	0417	17.	51L	.004	L.003			.08	.02	.06
19	09	78	1430	0417	15.	51L	L.003	L.003			.07	.01	.06
17	10	78	1300	0417	17.		L.003	L.003			.06	.01	.07
21	11	78	1440	0417	20.		.009	L.003			.20	.08	.12
13	12	78	1430	0417	19.		L.003	L.003			.09	.01	.08
09	01	79	1300	0417	21.		L.003	L.003			.11	.01	.10
06	02	79	1245	0417	20.		L.003	L.003			Q.11	L.01	.10
07	03	79	1530	0417	19.		.005	L.003			Q.10	L.01	.09
03	04	79	1320	0417	22.		L.003	L.003			Q.10	L.01	.09
08	05	79	1125	0417	21.		L.003	L.003			.15	.02	.13
06	06	79	1800	0417	16.		.013	L.003			.19	.05	.14
24	07	79	1025	0417	14.		L.003	L.003			Q.07	L.01	.06
20	08	79	1015	0417	15.		L.003	L.003			Q.10	L.01	.09
11	09	79	1630	0417	14.		L.003	L.003			.10	.03	.07
10	10	79	1155	0417	15.		L.003	L.003			.08	.02	.06
14	11	79	1150	0417	17.		L.003	L.003			Q.09	L.01	.08
03	12	79	1140	0417	15.		L.003	L.003			Q.16	L.01	.15

STATION **00AL08BA0011** LAT. **51** D **26** M **36** S LONG. **116** D **12** M **42** S UTM **11 554800**E **5809200**N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE					07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
D	M	Y	HR	SUBM ID	N MG/L	N MG/L	N MG/L	N MG/L	CN MG/L	B MG/L	AS MG/L	SE MG/L
11	01	77	1620	0003	Q.24	L.1	.14		.005	.02	L.0005	L.0005
14	06	77	1530	0003	.63	.6	.03		.006	.02	L.0005	L.0005
15	08	77	0930	0003	.26	.2	.06		L.005	L.02	L.0005	L.0005
03	10	77	1130	0003	.65	.6	.05		L.005	L.02	L.0005	.0005
09	01	78	1320	0003	Q.22	L.1	.12		L.005	L.02	L.0005	L.0005
18	04	78	1445	0417			.08		.011	L.02	L.0005	L.0005
09	05	78	1230	0417			.06					
20	06	78	1140	0417			.04					
19	07	78	1300	0417			.04					
09	08	78	1035	0417			.03					
19	09	78	1430	0417			.04					
17	10	78	1380	0417			.05					
21	11	78	1445	0417			.07					
13	12	78	1430	0417			.07					
09	01	79	1300	0417			.08					
06	02	79	1245	0417			.10					
07	03	79	1530	0417			.08					
03	04	79	1320	0417			.11					
08	05	79	1125	0417			.05					
06	06	79	1500	0417			.06					
24	07	79	1025	0417			.04					
20	08	79	1015	0417			.04					
11	09	79	1030	0417			.04					
10	10	79	1155	0417			.05					
14	11	79	1150	0417			.07					

SAMPLE DATE					04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
D	M	Y	HR	SUBM ID	BE MG/L	AL MG/L	V MG/L	CR MG/L	MN MG/L	FE MG/L	CO MG/L	NI MG/L
11	01	77	1620	0003	L.01	.007	L.001	L.015	L.01	L.04	.003	.005
14	06	77	1530	0003	L.01	.051	L.001	L.015	L.01	.06	L.002	L.002
15	08	77	0930	0003	L.01	.032	L.001	L.015	L.01	.06	L.002	L.002
03	10	77	1130	0003	L.01	.033	L.001	L.015	L.01	.05	L.002	L.002
09	01	78	1320	0003	L.01	.006	L.001	L.015	L.01	L.04	L.002	L.002
18	04	78	1445	0417			L.001		L.01	L.04	L.002	

STATION **00AL08BA0011** LAT. **51** D **26** M **36** S LONG. **116** D **12** M **42** S UTM **11** **554800**E **5699200**N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE D	M	CST Y	HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
18	04	78	1445	0417		L.004		L.002	L.001	L.01	L.001	L.002

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
18	04	78	1445	0417		L.001	L.003	L.003	L.002	L.001	.002	L.001

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
18	04	78	1445	0417	L.002	L.002		L.004	L.002	L.2		L.009

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18555P DICHLORPROP UG/L	1860YZ PICLORAM (TORDON) UG/L	18160L AROCLOR 1254 (PCB'S) UG/L	18161L AROCLOR 1248 (PCB'S) UG/L	18162L AROCLOR 1260 (PCB'S) UG/L
18	04	78	1445	0417	L.004		L.002	L.002	L.005

STATION 00AL05BA0011 LAT. 51 D 26 M 36 S LONG. 116 D 12 M 42 S UTM 11 554800E 5699200N

BOW RIVER AT HIGHWAY 1 ABOVE
LAKE LOUISE.

SAMPLE DATE D	M	Y	CST HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
11	01	77	1620	0003	L.001	.001	.16			.001	L.1	L.05
14	06	77	1530	0003	L.001	.001	.12			L.001	L.1	L.02
15	06	77	0830	0003	L.001	L.001	.13			L.001	L.1	L.02
03	10	77	1130	0003	L.001	L.001	.08			L.001	L.1	L.02
09	01	78	1320	0003	L.001	.001	.16			L.001	L.1	L.02
18	04	78	1445	0417	L.001	.001				L.001	L.1	L.02
09	05	78	1230	0417								L.02
20	06	78	1140	0417								L.02
19	07	78	1300	0417								.02
09	08	78	1035	0417								L.02
19	09	78	1430	0417								L.02
17	10	78	1300	0417								L.02
21	11	78	1440	0417								L.02
13	12	78	1430	0417								L.02
09	01	79	1300	0417								L.02
06	02	79	1245	0417								L.02
07	03	79	1530	0417								L.02
03	04	79	1320	0417								L.02

SAMPLE DATE D	M	Y	CST HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C26 UG/L	10701P SURFACT. N-ALKYL SULPHNTE. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
11	01	77	1620	0003		L.004	L.001					
14	06	77	1530	0003		L.004	.001					
15	06	77	0830	0003		L.004	.001					
03	10	77	1130	0003		L.004	.001					
09	01	78	1320	0003		L.004	L.001					
18	04	78	1445	0417		L.004	L.001					
03	05	78	1125	0417	L.02							
06	06	78	1600	0417	L.02							
24	07	78	1025	0417	L.02							
20	08	78	1015	0417	.03							
11	09	78	1030	0417	L.02							
19	10	78	1155	0417	L.02							
14	11	78	1150	0417	L.02							
03	12	78	1140	0417	L.02							

STATION **00AL05BD0002** LAT. **51** D **10** M **36** S LONG. **115** D **30** M **36** S UTM **11** **604200**E **5670300**N

BOW RIVER BELOW CONFLUENCE WITH SPRAY
RIVER. BANFF NATIONAL PARK. ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
13	01	77	1105	0003	0.	19.1		330.	7.9	7.7		1.8
14	06	77	0900	0003		16.0		186.		8.0		5.2
04	08	77	1400	0003	14.	20.7		201.	8.3	8.3		6.2
20	10	77	1045	0003	3.5	18.7	280.	273.	8.0	8.3		1.8

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
13	01	77	1105	0003	L5.			11.1			
14	06	77	0900	0003	L5.	6.		10.4			
04	08	77	1400	0003	L5.			9.4			
20	10	77	1045	0003	L5.	L1.		11.7			

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO/DL	36102F FECAL STREP. MF NO/DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
13	01	77	1105	0003				46.0	17.1			185.3
14	06	77	0900	0003				25.5	9.8			104.0
04	08	77	1400	0003				29.5	9.5			112.8
20	10	77	1045	0003				38.8	14.0			154.5

SAMPLE DATE D	M	Y	CST HR	SUBM ID	06301L CARBONATE (CALCD.) CO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	10101L ALKALINITY TOTAL CACO3 MG/L	11103L SODIUM DISSOLVED NA MG/L	19103L POTASSIUM DISSOLVED K MG/L	17206L CHLORIDE DISSOLVED CL MG/L	09105L FLUORIDE DISSOLVED F MG/L
13	01	77	1105	0003	0.	.0	158.	130.	1.1	.4	.9	.11
14	06	77	0900	0003	0.	.0	96.	78.6	.7	.2	.4	.06
04	08	77	1400	0003	0.	.0	101.	83.	.6	.2	.4	.05
20	10	77	1045	0003	0.	.0	132.	108.	1.0	.3	.7	.09

STATION 00AL05BD0002 LAT. 51 D 10 M 36 S LONG. 115D 30 M 36 S UTM 11 604200E 5670300N

BOW RIVER BELOW CONFLUENCE WITH SPRAY
RIVER. BANFF NATIONAL PARK. ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	16306L SULPHATE DISSOLVED SO4 MG/L	14105L SILICA REACTIVE SIO2 MG/L		00201L TOTAL DISSOLVED SOLIDS (CALCD.) MG/L	06001L CARBON TOTAL ORGANIC C MG/L	06002L CARBON TOTAL ORGANIC (CALCD.) MG/L	06104L CARBON DISSOLVED ORGANIC C MG/L	06902L CARBON ORGANIC PARTICUL. C MG/L	06051L CARBON TOTAL INORGANIC C MG/L
13	01	77	1105	0003	45.	4.8	02L	193.	3.				28.
14	06	77	0900	0003	16.	3.1	02L	103.	3.				18.
04	08	77	1400	0003	20.	2.7	02L	113.	1.				19.
20	10	77	1045	00L3	31.	3.8	02L	154.	3.				26.

SAMPLE DATE D	M	Y	CST HR	SUBM ID	06152L CARBON DISSOLVED INORGANIC C MG/L	15406L PHOSPHORUS TOTAL P MG/L	15103L PHOSPHORUS TOTAL DISSOLVED P MG/L	15256L PHOSPHORUS DISSOLVED ORTHO PO4 P MG/L	15301L PHOSPHORUS TOTAL INORGANIC P MG/L	07603L NITROGEN TOTAL (CALCD.) N MG/L	07902L NITROGEN PARTICUL. N MG/L	07651L NITROGEN DISSOLVED N MG/L
13	01	77	1105	0003		L.003						
14	06	77	0900	0003		.010						
04	08	77	1400	0003		.01						
20	10	77	1045	0003		.003						

SAMPLE DATE D	M	Y	CST HR	SUBM ID	07602L NITROGEN TOTAL (CALCD.) N MG/L	07002L NITROGEN TOTAL KJELDAHL N MG/L	07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07506P NITROGEN TOTAL AMMONIA N MG/L	06604P CYANIDE DISSOLVED CN MG/L	05105L BORON DISSOLVED B MG/L	33104L ARSENIC DISSOLVED AS MG/L	34102L SELENIUM DISSOLVED SE MG/L
13	01	77	1105	0003	Q.26	L.1	.16		L.005	.05	L.0005	L.0005
14	06	77	0900	0003	.77	.7	.07		006	.02	L.0005	L.0005
04	08	77	1400	0003	Q.15	L.1	.05		L.005	.02	L.0005	L.0005
20	10	77	1045	0003	Q.19	L.1	.09		.010	L.02	L.0005	L.0005

SAMPLE DATE D	M	Y	CST HR	SUBM ID	04301P BERYLLIUM EXTRBLE. BE MG/L	13305P ALUMINUM EXTRBLE. AL MG/L	23302P VANADIUM EXTRBLE. V MG/L	24302P CHROMIUM EXTRBLE. CR MG/L	25304P MANGANESE EXTRBLE. MN MG/L	26304P IRON EXTRBLE. FE MG/L	27302P COBALT EXTRBLE. CO MG/L	28302P NICKEL EXTRBLE. NI MG/L
13	01	77	1105	0003	L.01	.019	L.001	L.015	L.01	.06	L.002	.004
14	06	77	0900	0003	L.01	.083	L.001	L.015	.01	.14	L.002	L.002
04	08	77	1400	0003	L.01	.047	.001	L.015	L.01	.14	L.002	L.002
20	10	77	1045	0003	L.01	.006	L.001	L.015	L.01	L.04	L.002	L.002

STATION **00AL05BD0002** LAT. **51** D **10** M **36** S LONG. **115** D **30** M **36** S UTM **11** **604200**E **5670300**N

BOW RIVER BELOW CONFLUENCE WITH SPRAY
RIVER, BANFF NATIONAL PARK, ALBERTA

SAMPLE DATE						29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	47301P SILVER EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80313P MERCURY EXTRBLE.
		CST		SUBM		CU	ZN	SR	MO	AG	CD	BA	HG
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
13	01	77	1105	0003		L.001	.003	.20			001	L.1	L.05
14	06	77	0900	0003		L.001	.002	.10			L.001	L.1	L.02
04	08	77	1400	0003		L.001	.001	.12			L.001	L.1	L.02
20	10	77	1045	0003		L.001	L.001	.14			L.001	L.1	L.02

SAMPLE DATE						80011P MERCURY TOTAL	82302P LEAD EXTRBLE.	06535P PHENOLIC MATERIAL	06521P OIL AND GREASE	06510P AROMATIC HYDROC.	06500P N-ALKANES	10701P SURFACT. N-ALKYL SULPHNTS.	10711P NTA NITRILOTRI ACETIC AC.
		CST		SUBM		HG	PB	PHENOL			C10 C26	LAS	H3NTA
D	M	Y	HR	ID		UG/L	MG/L	MG/L	MG/L	UG/L	UG/L	MG/L	MG/L
13	01	77	1105	0003			L.004	.002					
14	06	77	0900	0003			.004	.004					
04	08	77	1400	0003			L.004	.003					
20	10	77	1045	0003			L.004	L.001					

SAMPLE DATE						18125L MIREX	18050L ALPHA-ENDOSULFAN	18055L BETA-ENDOSULFAN	18060L ALPHA-(CIS) CHLORDANE	18065L GAMMA-(TRANS) CHLORDANE	18070L GAMMA-BHC (LINDANE)	18075L ALPHA-BHC	18130L ALDRIN
		CST		SUBM									
D	M	Y	HR	ID		UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
13	01	77	1105	0003							L.001	L.001	
14	06	77	0900	0003							L.001	003	
04	08	77	1400	0003							L.001	002	
20	10	77	1045	0003							L.001	L.001	

SAMPLE DATE						18140L ENDRIN	18150L HEOD (DIELDRIN)	18370P TRI-FLURALIN	18500P 2,4-D	18510P 2,4,5-T	18520P MCPA	18540P FENOPROP (SILVEX)	18550P 2,4-DB
		CST		SUBM									
D	M	Y	HR	ID		UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
13	01	77	1105	0003					L.004	L.002	L.2 20L		L.009
14	06	77	0900	0003					L.004	L.002	L.2 20L		L.009
04	08	77	1400	0003					L.004	L.002	L.2		L.009
20	10	77	1045	0003					L.004	L.002	L.2		L.009

STATION **00AL05BD0002** LAT. **51** D **10** M **36** S LONG. **115** D **30** M **36** S UTM **11 604200**E **5670300**N

BOW RIVER BELOW CONFLUENCE WITH SPRAY
RIVER, BANFF NATIONAL PARK, ALBERTA

SAMPLE DATE					18555P DICHLORPROP	1860YZ PICLORAM (TORDON)	18160L AROCLOR 1254 (PCB'S)	18161L AROCLOR 1248 (PCB'S)	18162L AROCLOR 1260 (PCB'S)
D	M	CST Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L
13	01	77	1105	0003	L.004		L.03	L.02	L.06
14	06	77	0900	0003	L.004		L.002	L.002	.005
04	08	77	1400	0003	L.004		L.002	L.002	L.005
20	10	77	1045	0003	L.004		L.002	L.002	L.005

STATION **00AL05DA0002** LAT. **51** D **58** M **0** S LONG. **116** D **43** M **30** S UTM **11** **518900**E **5757100**N

NORTH SASKATCHEWAN RIVER AT
SASKATCHEWAN CROSSING

SAMPLE DATE					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301F PH	10301L PH	02073F TURBIDITY	02073L TURBIDITY
D	M	Y	CST HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	JTU
31	01	77	1415	0003	1.	18.3		306.	8.4	7.9		1.5
07	06	77	1125	0003	10.	21.6	188.	183.	7.5	7.9		130.
15	08	77	1110	0003	8.	21.4	115.	124.	8.4	8.3		62.
03	10	77	1315	0003	4.5	20.5	224.	247.	7.8	8.2	3.2	8.5

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
D	M	Y	CST HR	SUBM ID	REL. UNITS	MG/L	MG/L	O2 MG/L	O2 MG/L	O2 MG/L	MG/L
31	01	77	1415	0003	L5.			10.4			
07	06	77	1125	0003	25.	181.		10.6			
15	08	77	1110	0003	5.	109.		10.7			
03	10	77	1315	0003	L5.	16.		11.7			

SAMPLE DATE					36002F COLIFORMS TOTAL	36012F COLIFORMS FECAL	36102F FECAL STREP.	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10606L HARDNESS TOTAL LAB CALC.	10602L HARDNESS TOTAL (CALCD.)
D	M	Y	CST HR	SUBM ID	MF NO/DL	MF NO/DL	MF NO/DL	CA MG/L	MG MG/L	MG MG/L	CACO3 MG/L	CACO3 MG/L
31	01	77	1415	0003				41.1	16.0			168.5
07	06	77	1125	0003				26.7	8.2			100.4
15	08	77	1110	0003				21.2	4.7			72.3
03	10	77	1315	0003				34.2	11.8			134.0

SAMPLE DATE					06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	Y	CST HR	SUBM ID	CO3 MG/L	CACO3 MG/L	HCO3 MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	F MG/L
31	01	77	1415	0003	0.	.0	129.	106.	1.0	.4	.4	.07
07	06	77	1125	0003	0.	.0	98.	80.6	.5	.2	.2	.10
15	08	77	1110	0003	0.	.0	73.	60.	.4	.1	.2	L.05
03	10	77	1315	0003	0.	.0	107.	87.4	.8	.3	.3	.06

STATION **00AL05DA0002** LAT. **51** D **58** M **0** S LONG. **116** D **43** M **30** S UTM **11 518900**E **5757100**N

NORTH SASKATCHEWAN RIVER AT
SASKATCHEWAN CROSSING

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE		00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST		SUBM		SO4	SIO2		(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID		MG/L	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415	0003		49.	3.5	02L	175.	1.				25.
07	06	77	1125	0003		14.	2.4	02L	101.	2.				30.
15	08	77	1110	0003		8.8	1.3	02L	73.	5.				20.
03	10	77	1315	0003		35.	3.0	02L	138.	L1.				21.

SAMPLE DATE						06152L CARBON DISSOLVED INORGANIC	15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST		SUBM		C	P	P	P	P	N	N	N
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415	0003			.003						
07	06	77	1125	0003			.10						
15	08	77	1110	0003			.072						
03	10	77	1315	0003			.005						

SAMPLE DATE						07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST		SUBM		N	N	N	N	CN	B	AS	SE
D	M	Y	HR	ID		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415	0003		Q.21	L.1	.11		.007	.02	L.0005	L.0005
07	06	77	1125	0003		.42	.3	.12		L.005	.02	L.0005	L.0005
15	08	77	1110	0003		Q.16	L.1	.06		L.005	L.02	L.0005	L.0005
03	10	77	1315	0003		.67	.6	.07		L.005	L.02	L.0005	L.0005

SAMPLE DATE						04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.		23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
		CST		SUBM		BE	AL		V	CR	MN	FE	CO	NI
D	M	Y	HR	ID		MG/L	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415	0003		L.01	.050		L.001	L.015	.01	.14	.003	.004
07	06	77	1125	0003		L.01	.71	02P	L.001	L.015	.10	1.59	.002	.004
15	08	77	1110	0003		L.01	.17		L.001	L.015	.05	.72	L.002	L.002
03	10	77	1315	0003		L.01	.038		L.001	L.015	L.01	.09	L.002	L.002

STATION **00AL05DA0002** LAT. **51** D **58** M **0** S LONG. **116** D **43** M **30** S UTM **11** **518900E** **5757100N**

NORTH SASKATCHEWAN RIVER AT
SASKATCHEWAN CROSSING

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	47301P SILVER EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80313P MERCURY EXTRBLE.
		CST		SUBM	CU	ZN	SR	MO	AG	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
31	01	77	1415	0003	.001	.002	.93			.001	L.1	L.05
07	06	77	1125	0003	.001	.003	.36			L.001	L.1	L.02
15	08	77	1110	0003	.001	.001	.22			L.001	L.1	L.02
03	10	77	1315	0003	.001	.002	.79			L.001	L.1	L.02

SAMPLE DATE					80011P MERCURY TOTAL	82302P LEAD EXTRBLE.	06535P PHENOLIC MATERIAL	06521P OIL AND GREASE	06510P AROMATIC HYDROC.	06500P N-ALKANES	10701P SURFACT. N-ALKYL SULPHNTS.	10711P NTA NITRILOTRI ACETIC AC.
		CST		SUBM	HG	PB	PHENOL			C10 - C26	LAS	H3NTA
D	M	Y	HR	ID	UG/L	MG/L	MG/L	MG/L	UG/L	UG/L	MG/L	MG/L
31	01	77	1415	0003		.004	.003					
07	06	77	1125	0003		.006	.001					
15	08	77	1110	0003		L.004	.002					
03	10	77	1315	0003		L.004	.001					

SAMPLE DATE					17811L HEXACHLORO-BENZENE	18000L P,P-DDT	18005L O,P-DDT	18010L P,P-TDE	18020L P,P-DDE	18030L P,P-METHOXY-CHLOR	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE
		CST		SUBM								
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
15	08	77	1110	0003		L.004		L.002	L.001	L.01	L.001	L.002

SAMPLE DATE					18125L MIREX	18050L ALPHA-ENDOSULFAN	18055L BETA-ENDOSULFAN	18060L ALPHA-(CIS) CHLORDANE	18065L GAMMA-(TRANS) CHLORDANE	18070L GAMMA-BHC (LINDANE)	18075L ALPHA-BHC	18130L ALDRIN
		CST		SUBM								
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
31	01	77	1415	0003						L.001	.001	
07	06	77	1125	0003						L.001	.001	
15	08	77	1110	0003		L.001	L.003			.002	.006	L.001
03	10	77	1315	0003						L.001	.001	

STATION **00AL05DA0002** LAT. **51** D **58** M **0** S LONG. **116** D **43** M **30** S UTM **11 518900E 5757100N**

NORTH SASKATCHEWAN RIVER AT
SASKATCHEWAN CROSSING

SAMPLE DATE						18140L	18150L	18370P	18500P	18510P	18520P		18540P	18550P
						ENDRIN	HEOD (DIELDRIN)	TRI-FLURALIN	2,4-D	2,4,5-T	MCPA		PENOPROP (SILVEX)	2,4-DB
		CST		SUBM										
D	M	Y	HR	ID		UG/L	UG/L	UG/L	UG/L	UG/L	UG/L		UG/L	UG/L
31	01	77	1415	0003					L.004	L.002	L.2	20L		L.009
07	06	77	1125	0003					L.004	L.002	L.2			L.009
15	08	77	1110	0003			L.002		L.004	L.002	L.2			L.009
03	10	77	1315	0003					L.004	L.002	L.2			L.009

SAMPLE DATE						18555P	18600YZ	18160L	18161L	18162L
						DICHLORPROP	PICLORAM (TORDON)	AROCLOR 1254 (PCB'S)	AROCLOR 1248 (PCB'S)	AROCLOR 1260 (PCB'S)
		CST		SUBM						
D	M	Y	HR	ID		UG/L	UG/L	UG/L	UG/L	UG/L
31	01	77	1415	0003		L.004		L.03	L.02	L.06
07	06	77	1125	0003		L.004		L.002	L.002	L.005
15	08	77	1110	0003		L.004		L.002	L.002	L.005
03	10	77	1315	0003		L.004		L.002	L.002	L.005

STATION **00AL05DA0001** LAT. **52** D **0** M **9** S LONG. **116** D **28** M **21** S UTM **11** **536200**E **5761300**N

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
09	01	78	1530	0003	1.	17.9	290.	282.	8.3	8.1		1.8
17	04	78	1220	0417	4.	21.5	340.	278.	8.3	8.2		.7
08	05	78	1045	0417	7.	18.2	220.	273.	8.3	8.4		1.1
19	06	78	1045	0417	4.	19.8	210.	186.	8.2	8.2		32.
18	07	78	1100	0417	7.	22.3	164.	158.	8.3	8.2		80.
08	08	78	1115	0417	9.	20.8	152.	133.	8.2	8.3		130.
19	09	78	1230	0417	7.0	19.2	200.	216.	8.3	8.2		4.3
17	10	78	1200	0417	7.0	20.5	245.	254.	8.2	8.3		1.4
21	11	78	1310	0417	.0	21.8	290.	314.	8.2	8.2		6.8
13	12	78	1310	0417	.5	20.8	245.	304.	8.0	8.1		1.2
09	01	79	1130	0417	0.	22.1	405.	360.	8.1	8.1		3.5
05	02	79	1345	0417	1.0	22.5	400.	320.	8.4	8.1	1.0	.5
07	03	79	1355	0417	1.5	22.5	380.	307.	8.0	7.9	1.4	1.0
03	04	79	1130	0417	.5	18.9		294.	8.1	7.9	1.4	.8
08	05	79	0945	0417	4.0	22.7	328.	292.	8.1	7.9	8.0	5.0
06	06	79	1240	0417	4.0	22.0	200.	211.	8.4	8.0		53.
23	07	79	1110	0417	9.0	19.9	254.	143.	8.4	8.0	75.	80.
20	08	79	1140	0417	8.5	21.0		129.	8.1	8.2	86.	74.
10	09	79	1045	0417	6.	19.0		160.	8.4	8.0	29.	28.0
09	10	79	1215	0417	4.5	19.1		210.	8.2	8.0	6.7	5.4
13	11	79	1230	0417	1.	16.6		295.	8.2	8.0	1.2	1.2
03	12	79	1320	0417	.5	20.4	290.	293.	7.8	8.2	.7	.7

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
09	01	78	1530	0003	L5.	L1.		11.5			
17	04	78	1220	0417	L5.	L1.		11.1			
08	05	78	1045	0417	L5.	L1.		11.3			
19	06	78	1045	0417	5.	26.		11.4			
18	07	78	1100	0417	15.	72.		11.3			
08	08	78	1115	0417	20.	138.		10.6			
19	09	78	1230	0417	L5.	3.		11.2			
17	10	78	1200	0417	L5.	L1.		10.9			
21	11	78	1310	0417	L5.	13.		12.3			
13	12	78	1310	0417	L5.	1.		13.4			
09	01	79	1130	0417	L5.	21.		12.9			
05	02	79	1345	0417	5.	2.		12.4			
07	03	79	1355	0417	L5.	L1.		11.9			
03	04	79	1130	0417	5.	5.		12.2			
08	05	79	0945	0417	5.	7.		11.2			
06	06	79	1240	0417	10.	66.		11.0			
23	07	79	1110	0417	40.	148.		10.2			
20	08	79	1140	0417	30.	19.		10.6			
10	09	79	1045	0417	10.	13.		11.3			
09	10	79	1215	0417	5.	10.		11.1			

STATION **00AL05DA0001** LAT. **52D 0M 9S** LONG. **116D 28M 21S** UTM **11 536200E 5761300N**

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
13	11	79	1230	0417	L5.	L1.		11.7			
03	12	79	1320	0417	L5.	L1.		12.0			

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO/DL	36102F FECAL STREP. MF NO/DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
09	01	79	1630	0003				38.2	17.9			169.1
17	04	79	1220	0417	L2. 02L	L2. 12L	L2. 02L	36.5	14.3			150.0
08	05	79	1045	0417	L2. 02L	L2. 12L	L2. 02L	37.2	14.1			150.9
19	06	79	1045	0417	26. 02L	L2. 12L	6. 02L	27.1	8.1			101.0
18	07	79	1100	0417	16. 02L	6. 12L	L2. 02L	22.0	5.3			78.8
08	08	79	1115	0417	18. 02L	6. 12L	L2. 02L	19.5	4.8			68.5
19	09	79	1230	0417	2. 02L	L2. 12L	L2. 02L	28.2	9.3			108.7
17	10	79	1200	0417	L2. 02L	L2. 12L	L2. 02L	33.6	11.3			130.4
21	11	79	1310	0417	4. 02L	L2. 12L	L2. 02L	39.7	15.1			161.3
13	12	79	1310	0417	2. 02L	L2. 12L	L2. 02L	38.3	14.6			155.7
09	01	79	1130	0417	L2. 02L	L2. 12L	L2. 02L	46.8	17.8			190.1
05	02	79	1345	0417	L2. 02L	L2. 12L	L2. 02L	38.8	16.0			162.8
07	03	79	1305	0417	L2. 02L	L2. 12L	L2. 02L	36.5	15.1			153.3
03	04	79	1130	0417	L2.	L2.	L2.	39.7	15.8			164.2
08	05	79	0945	0417	3.	L2.	L2.	36.1	12.6			142.0
06	06	79	1240	0417	10.	L2.	L2.	26.7	8.2			100.4
23	07	79	1110	0417	40.	L10.	20.	21.0	4.8			72.2
20	08	79	1140	0417	7.	3.	23.	20.6	4.8			71.2
10	09	79	1045	0417	2.	L2.	9.	21.3	5.7			76.7
09	10	79	1215	0417	L2.	L2.	L2.	25.8	7.9			96.9
13	11	79	1230	0417	L2.	L2.	L2.	34.4	12.9			139.0
03	12	79	1320	0417	L2.	L2.	L2.	36.5	14.5			150.8

SAMPLE DATE D	M	Y	CST HR	SUBM ID	08301L CARBONATE (CALCD.) CO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	10101L ALKALINITY TOTAL CACO3 MG/L	11103L SODIUM DISSOLVED NA MG/L	19103L POTASSIUM DISSOLVED K MG/L	17206L CHLORIDE DISSOLVED CL MG/L	09105L FLUORIDE DISSOLVED F MG/L
09	01	79	1630	0003	0.	.0	132.	108.	1.0	.3	.4	.06
17	04	79	1220	0417	0.	0.	123.	101.	.9	.3	.5	.06
08	05	79	1045	0417				106.	1.0	.5	.5	.06
19	06	79	1045	0417	0.	.0	110.	90.	.5	.2	.4	.06
18	07	79	1100	0417	0.	0.	82.	67.	.2	.2	.2	L.05
08	08	79	1115	0417	0.	.0	72.	59.	.3	.2	.2	L.05
19	09	79	1230	0417	0.	0.	99.	81.	.7	.4	.3	.05

STATION **09AL05DA0001** LAT. **52** D **0** M **9** S LONG. **116** D **28** M **21** S UTM **11 536200**E **5761300**N

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE					06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
		CST		SUBM	CO3	CACO3	HCO3	CACO3	NA	K	CL	F
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
17	10	78	1200	0417	0.	.0	98.	80. 06L	.7	.2	.3	.07
21	11	78	1310	0417	0.	.0	129.	106. 06L	1.0	.3	.5	.06
13	12	78	1310	0417	0.	.0	122.	100. 06L	.9	.4	.5	.07
09	01	79	1130	0417	0.	.0	141.	116. 06L	1.1	.5	.5	.07
05	02	79	1345	0417	0.	.0	128.	105. 06L	1.1	.4	.6	.07
07	03	79	1355	0417	0.	.0	119.	98. 06L	1.1	.3	.5	.07
03	04	79	1130	0417	0.	.0	128.	105. 06L	1.0	.3	.5	.06
08	05	79	0945	0417	0.	.0	106.	87. 06L	.1	L.1	.5	.07
06	06	79	1240	0417	0.	.0	91.	75. 06L	.4	.3	.3	L.05
23	07	79	1110	0417	0.	.0	82.	67. 06L	.2	.2	.2	L.05
20	08	79	1140	0417	0.	.0	69.	57. 06L	.2	.2	.2	L.05
10	09	79	1045	0417	0.	.0	72.	59. 06L	.4	.2	.3	.08
09	10	79	1215	0417	0.	.0	91.	75. 06L	.6	.2	.3	.06
13	11	79	1230	0417	0.	.0	107.	88. 06L	.8	.4	.4	.06
03	12	79	1320	0417	0.	.0	118.	97. 06L	.9	.4	.4	.07

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST		SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	01	78	1530	0003	40.	3.7 02L	166.	L1.				25.
17	04	78	1220	0417	42.	3.5 02L	159.		Q1.0	L1. 01L	.04	
08	05	78	1045	0417	38.	3.5 02L	158.		Q1.0	1. 01L	L.01	
19	06	78	1045	0417	15.	2.5 02L	108.		1.7	1. 01L	.72	
18	07	78	1100	0417	9.	1.6	79.		Q5.1	L1. 01L	4.1	
08	08	78	1115	0417	8.	1.2	70.		Q4.4	L1. 01L	3.4	
19	09	78	1230	0417	21.	2.5	111.		Q1.3	L1. 01L	.26	
17	10	78	1200	0417	30.	3.1	127.		1.1	1.	.06	
21	11	78	1310	0417	36.	3.7	160.		Q1.8	L1.	.83	
13	12	78	1310	0417	38.	3.7	156.		1.1	1.	.06	
09	01	79	1130	0417	43.	4.4	184.		Q1.4	L1.	.44	
05	02	79	1345	0417	37.	4.0	161.		2.1	2.	.09	
07	03	79	1355	0417	40.	3.8	156.		1.0	1.	.04	
03	04	79	1130	0417	45.	3.9	169.		1.2	1.	.15	
08	05	79	0945	0417	30.	3.4	Q135.		2.2	2.	.17	
06	06	79	1240	0417	14.	2.7	98.		3.3	1.	2.3	
23	07	79	1110	0417	9.2	1.6	77.		Q10.9	L1.	9.9	
20	08	79	1140	0417	9.2	1.4	71.		Q3.5	L1.	2.5	
10	09	79	1045	0417	13.	2.0	78.		Q1.9	L1.	.85	
09	10	79	1215	0417	21.	2.3	103.		Q1.2	L1.	.24	
13	11	79	1230	0417	46.	3.5	151.		Q1.0	L1.	.03	
03	12	79	1320	0417	43.	3.4	157.		Q1.0	L1.	.04	

STATION 00ALGSDA0001 LAT. 52 D 0 M 9 S LONG. 118 D 28 M 21 S UTM 11 536200E 5761300N

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE						06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST			SUBM	C		P	P	P	P	N	N	N
D	M	Y	HR		ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	01	78	1530		0003			L.003						
17	04	78	1220		0417	24.	SIL	.003	L.003			Q.16	L.01	.15
06	05	78	1045		0417	25.	SIL	.007	L.003			Q.12	L.01	.11
19	06	78	1045		0417	19.	SIL	.014	L.003			.25	.04	.21
18	07	78	1100		0417			.046	L.003			.14	.06	.08
08	08	78	1115		0417	15.	SIL	.12	.003			.29	.12	.17
19	09	78	1230		0417	18.	SIL	.006	L.003			.16	.02	.14
17	10	78	1200		0417	21.		L.003	L.003			.10	.01	.09
21	11	78	1310		0417	26.		.006	L.003			.14	.02	.12
13	12	78	1310		0417	25.		.005	L.003			.11	.01	.10
09	01	79	1130		0417	30.		.007	L.003			.19	.02	.17
05	02	79	1345		0417	27.		L.003	L.003			.14	.01	.13
07	03	79	1355		0417	23.		L.003	L.003			Q.11	L.01	.10
03	04	79	1130		0417	28.		.010	L.003			.15	.03	.12
06	05	79	0945		0417	25.		.006	L.003			.14	.02	.12
06	06	79	1240		0417	20.		.062	L.003			Q.28	L.01	.27
23	07	79	1110		0417	14.		.069	L.003			.13	.04	.09
20	08	79	1140		0417	13.		.046	.004			Q.14	L.01	.13
10	09	79	1045		0417	14.		.022	L.003			.15	.04	.11
09	10	79	1215		0417	16.		.009	L.003			.09	.02	.07
13	11	79	1230		0417	23.		.006	L.003			Q.13	L.01	.12
03	12	79	1320		0417	21.		L.003	L.003			Q.13	L.01	.12

SAMPLE DATE						07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06804P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST			SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	01	78	1530		0003	Q.26-	L.1	.16		L.005	L.02	L.0005	L.0005
17	04	78	1220		0417			.09		.013	L.02	L.0005	L.0005
06	05	78	1045		0417			.09					
19	06	78	1045		0417			.10					
18	07	78	1100		0417			.06					
08	08	78	1115		0417			.06					
19	09	78	1230		0417			.08					
17	10	78	1200		0417			.08					
21	11	78	1310		0417			.10					
13	12	78	1310		0417			.11					
09	01	79	1130		0417			.13					
05	02	79	1345		0417			.12					
07	03	79	1355		0417			.10					
03	04	79	1130		0417			.13					
06	05	79	0945		0417			.08					
06	06	79	1240		0417			.09					
23	07	79	1110		0417			.06					
20	08	79	1140		0417			.06					
10	09	79	1045		0417			.07					
09	10	79	1215		0417			.07					

STATION **00AL05DA0001** LAT. **52** D **0** M **9** S LONG. **116** D **28** M **21** S UTM **11** **536200E** **5761300N**

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE					07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	08604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST		SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
13	11	78	1230	0417			.09					
03	12	78	1320	0417			.10					

SAMPLE DATE					04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
		CST		SUBM	BE	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
09	01	78	1530	0003	L.01	.005	L.001	L.015	L.01	L.04	L.002	.003
17	04	78	1220	0417			L.001		L.01	L.04	L.002	

SAMPLE DATE					29305P COPPER EXTRBLE.	30305P ZINC EXTRBLE.	38301P STRONTIUM EXTRBLE.	42301P MOLYBDENUM EXTRBLE.	47301P SILVER EXTRBLE.	48302P CADMIUM EXTRBLE.	56301P BARIUM EXTRBLE.	80313P MERCURY EXTRBLE.
		CST		SUBM	CU	ZN	SR	MO	AG	CD	BA	HG
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L
09	01	78	1530	0003	L.001	L.001	.70			L.001	L.1	L.02
17	04	78	1220	0417	L.001	L.001				L.001	L.1	L.02
08	05	78	1045	0417								L.02
19	06	78	1045	0417								.05
18	07	78	1100	0417								L.02
08	08	78	1113	0417								L.02
19	09	78	1230	0417								L.02
17	10	78	1200	0417								L.02
21	11	78	1310	0417								L.02
13	12	78	1310	0417								L.02
09	01	79	1130	0417								L.02
05	02	79	1345	0417								L.02
07	03	79	1355	0417								L.02
03	04	78	1130	0417								L.02

STATION 00AL05DA0001 LAT. 52D 0M 9S LONG. 116D 28M 21S UTM 11 536200E 5761300N

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C26 UG/L	10701P SURFACT. N-ALKYL SULPHNTE. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
09	01	78	1530	0003		L.004	.002					
17	04	78	1220	0417		L.004	L.001					
08	05	79	0945	0417	L.02							
06	06	79	1240	0417	L.02							
23	07	79	1110	0417	L.02							
20	08	79	1140	0417	L.02							
10	09	79	1045	0417	L.02							
08	10	79	1215	0417	L.02							
13	11	79	1230	0417	L.02							
03	12	79	1320	0417	L.02							

SAMPLE DATE D	M	CST Y	HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
17	04	78	1220	0417		L.004		L.002	L.001	L.01	L.001	L.002

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
17	04	78	1220	0417		L.001	L.003	L.003	L.002	L.001	L.001	L.001

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	19540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
17	04	78	1220	0417	L.002	L.002		L.004	L.002	L.2		L.009

STATION **00AL05DA0001** LAT. **52** D **0** M **9** S LONG. **116** D **28** M **21** S UTM **11** **536200**E **5761300**N

NORTH SASKATCHEWAN RIVER AT
WHIRLPOOL POINT, ALBERTA

SAMPLE DATE					18555P DICHLORPROP	18601Z PICLORAM (TORDON)	18150L AROCLOR 1254 (PCB'S)	18161L AROCLOR 1248 (PCB'S)	18162L AROCLOR 1260 (PCB'S)
D	M	CST Y	HR	SUBM ID	UG/L	UG/L	UG/L	UG/L	UG/L
17	04	78	1220	0417	L.004		L.002	L.002	L.005

III

RESULTS FROM

JASPER NATIONAL PARK

STATION **00AL07AA0007** LAT. **52** D **48** M **39** S LONG. **118** D **2** M **18** S UTM **11** **430000** E **5851500** N

ATHABASCA RIVER ABOVE JASPER
JASPER NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
31	01	77	1715	0003	.5	18.7		206.	8.0	8.0		16.
07	06	77	1635	0003	12.	21.4	110.	112.	7.7	8.1		77.
15	08	77	1525	0003	11.	21.		116.	8.0	8.3		80.
03	10	77	1435	0003	6.0	20.2	154.	165.	7.9	8.1		3.8

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
31	01	77	1715	0003	L5.			11.0			
07	06	77	1635	0003	25.	139.		9.8			
15	08	77	1525	0003	L5.	113.		10.5			
03	10	77	1435	0003	L5.	2.		11.9			

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO/DL	36102F FECAL STREP. MF NO/DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
31	01	77	1715	0003				28.2	10.0			111.6
07	06	77	1635	0003				16.6	4.5			60.0
15	08	77	1525	0003				19.8	4.3			67.1
03	10	77	1435	0003				23.0	8.1			90.8

SAMPLE DATE D	M	Y	CST HR	SUBM ID	06301L CARBONATE (CALCD.) CO3 MG/L	10151L ALKALINITY PHENOL PHTHALEIN CACO3 MG/L	06201L BICARBONT. (CALCD.) HCO3 MG/L	10101L ALKALINITY TOTAL CACO3 MG/L	11103L SODIUM DISSOLVED NA MG/L	19103L POTASSIUM DISSOLVED K MG/L	17206L CHLORIDE DISSOLVED CL MG/L	09105L FLUORIDE DISSOLVED F MG/L
31	01	77	1715	0003	0.	.0	106.	86.6	1.0	.4	.3	.05
07	06	77	1635	0003	0.	0	59.	48.4	.5	.2	.3	.05
15	08	77	1525	0003	0.	.0	73.	60.	.5	.1	.2	.05
03	10	77	1435	0003	0.	.0	83.	68.0	.8	.3	.3	L.05

STATION **00AL07AA0007** LAT. **52** D **48** M **39** S LONG. **118** D **2** M **18** S UTM **11** **430000**E **5851500**N

ATHABASCA RIVER ABOVE JASPER.
JASPER NATIONAL PARK, ALBERTA

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE		00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST			SUBM	SO4	SIO2		(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR		ID	MG/L	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1715		0003	21.	4.4	02L	117.	2.				20.
07	06	77	1635		0003	8.1	2.6	02L	62.	2.				17.
15	08	77	1525		0003	6.8	1.9	02L	70.	3.				19.
03	10	77	1435		0003	14.	3.6	02L	91.	L1.				17.

SAMPLE DATE						06152L CARBON DISSOLVED INORGANIC	15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST			SUBM	C	P	P	P	P	N	N	N
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1715		0003		.009						
07	06	77	1635		0003		.10						
15	08	77	1525		0003		.050						
03	10	77	1435		0003		.006						

SAMPLE DATE						07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07508P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST			SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1715		0003	.32	.2	.12		L.005	.03	L.0005	L.0005
07	06	77	1635		0003	Q.18	L.1	.08		L.005	.02	L.0005	L.0005
15	08	77	1525		0003	Q.15	L.1	.05		L.005	L.02	L.0005	L.0005
03	10	77	1435		0003	.56	.5	.06		L.005	L.02	L.0005	L.0005

SAMPLE DATE						04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.		23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
		CST			SUBM	BE	AL		V	CR	MN	FE	CO	NI
D	M	Y	HR		ID	MG/L	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1715		0003	L.01	.12		L.001	L.015	.02	.38	.002	.005
07	06	77	1635		0003	L.01	.67	02P	L.001	L.015	.10	1.45	L.002	L.002
15	08	77	1525		0003	L.01	.25		L.001	L.015	.05	.88	L.002	L.002
03	10	77	1435		0003	L.01	.031		L.001	L.015	L.01	.05	L.002	L.002

STATION **00AL07AA0007** LAT. **52** D **48** M **39** S LONG. **118** D **2** M **18** S UTM **11** **430000**E **5851500**N

ATHABASCA RIVER ABOVE JASPER
JASPER NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
31	01	77	1715	0003	.001	.005	.27			.001	.1	L.05
07	06	77	1635	0003	L.001	.002	.15			L.001	L.1	L.02
15	08	77	1525	0003	.001	.001	.14			L.001	L.1	L.02
03	10	77	1435	0003	L.001	L.001	.15			L.001	L.1	L.02

SAMPLE DATE D	M	CST Y	HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C25 UG/L	10701P SURFACT. N-ALKYL SULPHNTS. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
31	01	77	1715	0003		.004	L.001					
07	06	77	1635	0003		.004	.001					
15	08	77	1525	0003		L.004	.003					
03	10	77	1435	0003		L.004	.001					

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11** **440400** E **5835100** N

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE					02081F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301F PH	10301L PH	02073F TURBIDITY	02073L TURBIDITY
D	M	CST Y	HR	SUBM ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	JTU
31	01	77	1415	0003	1.	18.2		212.	8.2	8.0		3.9
07	06	77	1545	0003	14.	21.6	157.	143.	7.4	8.0		110.
15	08	77	1340	0003	9.	21.1	115.	132.	8.1	8.3		75.
03	10	77	1545	0003	6.0	20.6	182.	187.	7.9	8.1	2.2	5.8
17	04	78	1510	0417	5.	21.9	255.	212.	8.1	8.2		1.5
08	05	78	1245	0417	7.5	18.1	260.	196.	7.9	8.4		1.2
19	06	78	1320	0417	5.0	19.2	190.	140.	8.2	8.2		36.
18	07	78	1330	0417	8.	22.3	160.	135.	8.2	8.2		93.
09	08	78	0730	0417	8.	20.4	150.	134.	8.0	8.3		250.
19	09	78	0900	0417	4.0	19.6	162.	167.	7.5	8.1		4.8
17	10	78	0910	0417	5.0	20.5	190.	199.	7.6	8.2		1.8
21	11	78	1110	0417	.0	21.7	295.	301.	7.5	8.0		1.8
13	12	78	1110	0417	0.	20.8	255.	228.	8.1	8.1		1.2
08	01	79	1430	0417	.5	22.3	310.	232.	8.3	8.1		.6
06	02	79	0945	0417	.5	22.7	295.	230.	7.9	8.1	2.4	2.5
07	03	79	1145	0417	1.0	22.4	285.	221.	8.1	8.0	2.0	1.8
02	04	79	1300	0417	1.5	19.1		214.	8.2	7.9	1.7	1.0
07	05	79	1220	0417	4.5	22.5	253.	204.	8.2	7.9	7.6	4.7
06	06	79	1030	0417	4.5	22.1	147.	144.	8.3	8.0		58.
23	07	79	1300	0417	9.0	20.4		133.	8.3	8.0	170.	110.
20	08	79	1330	0417	10.	21.1		129.	8.2	8.2	115.	87.0
10	09	79	1255	0417	7.	18.7		152.	8.4	8.1	26.	27.
09	10	79	1420	0417	5.	19.0	260.	182.	8.3	8.0	9.0	5.5
13	11	79	1440	0417	.5	15.6	190.	212.	8.1	7.8	4.2	1.2
03	12	79	1520	0417	.5	20.4		221.	8.2	8.2	2.2	2.2

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
D	M	CST Y	HR	SUBM ID	REL. UNITS	MG/L	MG/L	O2 MG/L	O2 MG/L	O2 MG/L	MG/L
31	01	77	1415	0003	L5.			11.0			
07	06	77	1545	0003	30.	174.		9.3			
15	08	77	1340	0003	5.	131.		10.3			
03	10	77	1545	0003	L5.	1.		11.7			
17	04	78	1510	0417	L5.	1.		10.8			
08	05	78	1245	0417	5.	2.		11.0			
19	06	78	1320	0417	15.	33.		11.2			
18	07	78	1330	0417	25.	74.		10.7			
09	08	78	0730	0417	40.	424.		11.5			
19	09	78	0900	0417	L5.	2.		11.6			
17	10	78	0910	0417	L5.	3.		10.9			
21	11	78	1110	0417	L5.	2.		11.9			
13	12	78	1110	0417	L5.	1.		14.9			
08	01	79	1430	0417	L5.	2.		12.8			
06	02	79	0945	0417	L5.	7.		12.5			
07	03	79	1145	0417	L5.	2.		12.5			
02	04	79	1300	0417	5.	5.		13.2			

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11 440400E 5835100N**

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
CST				SUBM				O2	O2	O2	
D	M	Y	HR	ID	REL. UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	05	79	1220	0417	20.	12.		11.3			
06	06	79	1030	0417	10.	66.		11.3			
23	07	79	1300	0417	50.	194.		10.2			
20	08	79	1330	0417	60.	48.		9.8			
10	09	79	1255	0417	10.	15.		11.1			
09	10	79	1420	0417	5.	12.					
13	11	79	1440	0417	L5.	L1.		11.9			
03	12	79	1520	0417	L5.	L1.		13.2			

SAMPLE DATE					36002F COLIFORMS TOTAL	36012F COLIFORMS FECAL	36102F FECAL STREP.	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10606L HARDNESS TOTAL LAB CALC.	10602L HARDNESS TOTAL (CALCD.)
CST				SUBM	MF	MF	MF	CA	MG	MG	CACO3	CACO3
D	M	Y	HR	ID	NO/DL	NO/DL	NO/DL	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415	0003				29.6	10.6			117.6
07	06	77	1545	0003				21.1	5.8			76.6
15	08	77	1340	0003				22.9	4.8			76.9
03	10	77	1545	0003				26.6	8.3			100.6
17	04	78	1510	0417	L2. 02L	L2. 12L	L2. 02L	30.0	10.4			117.7
08	05	78	1245	0417	6. 02L	L2. 12L	L2. 02L	28.0	9.3			108.2
19	06	78	1320	0417	16. 02L	L2. 12L	2. 02L	20.1	6.1			75.3
18	07	78	1330	0417	28. 02L	L2. 12L	2. 02L	21.2	4.8			72.7
09	08	78	0730	0417	200. 02L	6. 12L	8. 02L	20.0	4.4			68.1
19	09	78	0900	0417	220. 02L	L2. 12L	L2. 02L	23.0	7.2			87.1
17	10	78	0910	0417	480. 02L	L2. 12L	4. 02L	28.6	8.8			107.6
21	11	78	1110	0417	6. 02L	L2. 12L	L2. 02L	42.2	13.2			159.7
13	12	78	1110	0417	L2. 02L	L2. 12L	L2. 02L	28.8	9.8			112.3
08	01	79	1430	0417	8. 02L	L2. 12L	L2. 02L	31.2	10.6			121.5
06	02	79	0945	0417	L2. 02L	L2. 12L	L2. 02L	29.9	10.7			118.7
07	03	79	1145	0417	2. 02L	L2. 12L	14. 02L	28.0	10.2			111.9
02	04	79	1300	0417	L2.	L2.	L2.	29.7	10.1			115.7
07	05	79	1220	0417	3.	L2.	L2.	25.	8.1			95.8
06	06	79	1030	0417	200.	4.	2.	20.0	5.6			73.0
23	07	79	1300	0417	60.	20.	10.	19.8	4.3			67.1
20	08	79	1330	0417	20.	3.	36.	20.5	4.6			70.1
10	09	79	1255	0417	13.	3.	12.	20.8	5.3			73.8
09	10	79	1420	0417	L2.	L2.	2.	23.0	7.0			86.3
13	11	79	1440	0417	L2.	L2.	L2.	26.1	8.6			100.6
03	12	79	1520	0417	L2.	L2.	L2.	28.1	9.7			110.1

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11 440400E 5835100N**

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE					06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
D	M	CST Y	HR	SUBM ID	CO3 MG/L	CACO3 MG/L	HCO3 MG/L	CACO3 MG/L	NA MG/L	K MG/L	CL MG/L	F MG/L
31	01	77	1415	0003	0.	.0	110.	90.6	.9	.4	.2	.05
07	06	77	1545	0003	0.	.0	81.	66.2	.5	.2	.2	.06
15	08	77	1340	0003	0.	.0	83.	68.	.5	.2	.2	.06
03	10	77	1545	0003	0.	.0	97.	79.4	.8	.4	.3	L.05
17	04	78	1510	0417	0.	0.	110.	90.4	.9	.3	.4	.06
08	05	78	1245	0417				87.2	1.0	.5	.4	.05
19	06	78	1320	0417	0.	0.	82.	67.	.3	.2	.2	.06
18	07	78	1330	0417	0.	0.	82.	67.	.2	.2	.2	.05
09	08	78	0730	0417	0.	.0	77.	63.	.3	.2	.2	L.05
19	09	78	0900	0417	0.	0.	87.	71.	.8	.4	.3	.05
17	10	78	0910	0417	0.	.0	88.	72. 06L	.8	.3	.3	.06
21	11	78	1110	0417	0.	.0	147.	121. 06L	1.1	.6	.5	.06
13	12	78	1110	0417	0.	.0	100.	82. 06L	.9	.4	.3	.06
08	01	79	1430	0417	0.	.0	105.	86. 06L	.9	.4	.3	.05
06	02	79	0945	0417	0.	.0	100.	82. 06L	1.0	.4	.3	.06
07	03	79	1145	0417	0.	.0	98.	90. 06L	1.0	.4	.4	.06
02	04	79	1300	0417	0.	.0	100.	82. 06L	.9	.3	.4	L.05
07	05	79	1220	0417	0.	.0	88.	72. 06L	.1	L.1	.4	.05
06	06	79	1030	0417	0.	.0	68.	56. 06L	.4	.3	.3	L.05
23	07	79	1300	0417	0.	.0	83.	68. 06L	.3	.2	.2	.06
20	08	79	1330	0417	0.	.0	74.	61. 06L	.3	.2	.3	L.05
10	09	79	1255	0417	0.	.0	72.	59. 06L	.4	.1	.3	.09
09	10	79	1420	0417	0.	.0	85.	70. 06L	.6	.2	.3	.07
13	11	79	1440	0417	0.	.0	88.	72. 06L	.8	.3	.3	L.05
03	12	79	1520	0417	0.	.0	95.	78. 06L	.9	.4	.3	.06

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
D	M	CST Y	HR	SUBM ID	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L
31	01	77	1415	0003	21.	4.3 02L	121.	1.				22.
07	06	77	1545	0003	9.5	2.6 02L	80.	5.				27.
15	08	77	1340	0003	7.3	2.1 02L	79.	2.				21.
03	10	77	1545	0003	15.	3.9 02L	103.					
17	04	78	1510	0417	20.	4.2 02L	120.		Q1.0	L1.0 01L	.04	
08	05	78	1245	0417	16.	4.8 02L	112.		Q3.0	3. 01L	L.01	
19	06	78	1320	0417	9.	2.8 02L	79.		2.0	1. 01L	1.0	
18	07	78	1330	0417	7.	2.2	76.		Q7.0	L1.0 01L	6.0	
09	08	78	0730	0417	6.	1.8	71.		Q11.5	L1.0 01L	10.5	
19	09	78	0900	0417	12.	3.4	90.		1.4	1. 01L	.35	
17	10	78	0910	0417	15.	3.9	101.		1.1	1.	.05	
21	11	78	1110	0417	18.	6.5	155.		1.1	1.	.06	
13	12	78	1110	0417	18.	4.4	112.		1.0	1.	.04	
08	01	79	1430	0417	20.	4.6	120.		Q1.0	L1.	.02	
06	02	79	0945	0417	20.	4.5	116.		1.2	1.	.18	
07	03	79	1145	0417	20.	4.2	112.		1.1	1.	.13	
02	04	79	1300	0417	21.	4.3	116.		1.1	1.	.08	

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11** **440400E** **5835100N**

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	30201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST			SUBM	SO_4	SiO_2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
07	05	79	1220		0417	15.6	4.0	Q97.		3.3	3.	.32	
06	06	79	1630		0417	7.8	7.6	76.		2.8	1.	1.8	
23	07	79	1300		0417	6.9	1.9	74.		Q9.8	L1.	8.8	
20	08	79	1330		0417	6.9	1.8	71.		Q3.1	L1.	2.1	
10	09	79	1255		0417	10.	2.2	75.		Q1.6	L1.	.56	
09	10	79	1420		0417	14.	2.7	90.		Q1.2	L1.	.19	
13	11	79	1440		0417	17.9	3.7	101.		Q1.1	L1.	.05	
03	12	79	1520		0417	20.	3.8	110.		Q1.1	L1.	.05	

SAMPLE DATE						06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST			SUBM	C		P	P	P	P	N	N	N
D	M	Y	HR		ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1415		0003			L.003						
07	06	77	1545		0003			.13						
15	08	77	1340		0003			.053						
03	10	77	1545		0003			L.003						
17	04	78	1510		0417	21.	51L	.005	L.003			Q.15	L.01	.14
08	05	78	1245		0417	14.	51L	L.003	L.003			Q.23	L.01	.22
19	06	78	1320		0417	14.	51L	.021	L.003			.18	.04	.14
18	07	78	1330		0417	14.	51L	.063	L.003			.15	.08	.07
09	08	78	0730		0417	15.	51L	.16	.003			.20	.14	.06
19	09	78	0900		0417	16.	51L	.006	L.003			.11	.03	.08
17	10	78	0910		0417	18.		L.003	L.003			.11	.01	.10
21	11	78	1110		0417	31.		L.003	L.003			.14	.01	.13
13	12	78	1110		0417	19.		.003	L.003			.14	.02	.12
08	01	79	1430		0417	22.		L.003	L.003			.12	.01	.11
06	02	79	0945		0417	21.		.004	L.003			.13	.01	.12
07	03	79	1145		0417	19.		.004	L.003			Q.12	L.01	.11
02	04	79	1300		0417	23.		L.003	L.003			.13	.01	.12
07	05	79	1220		0417	20.		L.003	L.003			.17	.03	.14
06	06	79	1630		0417	15.		.033	L.003			.41	.07	.34
23	07	79	1300		0417	13.		.011	L.003			.14	07	.07
20	08	79	1330		0417	14.		.071	L.003			.14	.05	.09
10	09	79	1255		0417	14.		.015	L.003			.12	.04	.08
09	10	79	1420		0417	15.		.008	L.003			.10	.03	.07
13	11	79	1440		0417	18.		.006	L.003			Q.14	L.01	.13
03	12	79	1520		0417	17.		.010	.004			Q.13	L.01	.12

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11 440400E 5835100N**

ATHABASCA RIVER AT HWY 93A
ATHABASCA FALLS.

SAMPLE DATE D	M	CST Y	HR	SUBM ID	07602L NITROGEN TOTAL (CALCD.) N MG/L	07002L NITROGEN TOTAL KJELDAHL N MG/L	07110L NITROGEN DISSOLVED NO3 & NO2 N MG/L	07506P NITROGEN TOTAL AMMONIA N MG/L	06604P CYANIDE DISSOLVED CN MG/L	05105L BORON DISSOLVED B MG/L	33104L ARSENIC DISSOLVED AS MG/L	34102L SELENIUM DISSOLVED SE MG/L
31	01	77	1415	0003	.42	.3	.12		.005	.03	L.0005	L.0005
07	06	77	1545	0003	.18	.1	.08		L.005	.02	L.0005	L.0005
15	08	77	1340	0003	Q.15	L.1	.05		L.005	L.02	L.0005	L.0005
03	10	77	1545	0003	.68	.6	.08		L.005	L.02	L.0005	L.0005
17	04	78	1510	0417			.09		.003	L.02	L.0005	L.0005
06	05	78	1245	0417			.08					
19	06	78	1320	0417			.10					
18	07	78	1330	0417			.05					
09	08	78	0730	0417			.03					
19	09	78	0900	0417			.06					
17	10	78	0910	0417			.07					
21	11	78	1110	0417			.10					
13	12	78	1110	0417			.12					
08	01	79	1430	0417			.11					
06	02	79	0945	0417			.13					
07	03	79	1145	0417			.11					
02	04	79	1300	0417			.14					
07	05	79	1220	0417			.06					
06	06	79	1030	0417			.24					
23	07	79	1300	0417			.05					
20	08	79	1330	0417			.04					
10	09	79	1255	0417			.05					
09	10	79	1420	0417			.07					
13	11	79	1440	0417			.09					

SAMPLE DATE D	M	CST Y	HR	SUBM ID	04301P BERYLLIUM EXTRBLE. BE MG/L	13305P ALUMINUM EXTRBLE. AL MG/L	23302P VANADIUM EXTRBLE. V MG/L	24302P CHROMIUM EXTRBLE. CR MG/L	25304P MANGANESE EXTRBLE. MN MG/L	26304P IRON EXTRBLE. FE MG/L	27302P COBALT EXTRBLE. CO MG/L	28302P NICKEL EXTRBLE. NI MG/L
31	01	77	1415	0003	L.01	.028	L.001	L.015	.04	.07	.004	.005
07	06	77	1545	0003	L.01	.81 02P	L.001	L.015	.10	1.58	L.002	L.002
15	08	77	1340	0003	L.01	.22	L.001	L.015	.05	.88	L.002	L.002
03	10	77	1545	0003	L.01	.039	L.001	L.015	L.01	.04	L.002	L.002
17	04	78	1510	0417			L.001		L.01	L.04	L.002	

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11** **440400E** **5835100N**

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE D	M	CST Y	HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
31	01	77	1415	0003	L.001	L.001	.30			.001	.1	L.05
07	06	77	1545	0003	L.001	.002	.21			L.001	L.1	L.02
15	08	77	1340	0003	.001	.001	.18			L.001	L.1	L.02
03	10	77	1545	0003	L.001	L.001	.22			L.001	L.1	L.02
17	04	78	1510	0417	L.001	L.001				L.001	L.1	L.02
08	05	78	1245	0417								L.02
19	06	78	1320	0417								L.02
18	07	78	1330	0417								L.02
09	08	78	0730	0417								L.02
19	09	78	0900	0417								L.02
17	10	78	0910	0417								L.02
21	11	78	1110	0417								L.02
13	[illegible]	78	1110	0417								L.02
08	[illegible]	79	1430	0417								L.02
06	[illegible]	79	0845	0417								L.02
07	03	79	1145	0417								L.02
02	04	79	1300	0417								L.02

SAMPLE DATE D	M	CST Y	HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C26 UG/L	10701P SURFACT. N-ALKYL SULPHNTE. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
31	01	77	1415	0003		L.004	L.001					
07	06	77	1545	0003		.005	.002					
15	08	77	1340	0003		L.004	.001					
03	10	77	1545	0003		L.004	.008					
17	04	78	1510	0417		L.004	L.001					
07	06	78	1220	0417	L.02							
06	06	78	1030	0417	L.02							
23	07	78	1300	0417	L.02							
20	08	78	1330	0417	L.02							
10	09	78	1255	0417	L.02							
09	10	78	1420	0417	L.02							
13	11	78	1440	0417	L.02							
03	12	78	1520	0417	L.02							

STATION **00AL07AA0015** LAT. **52** D **39** M **54** S LONG. **117** D **52** M **51** S UTM **11 440400E 5835100N**

ATHABASCA RIVER AT HWY 93A.
ATHABASCA FALLS.

SAMPLE DATE D	M	Y	CST HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
17	04	78	1510	0417		L.004		L.002	L.001	L.01	L.001	L.002

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
17	04	78	1510	0417		L.001	L.003	L.003	L.002	L.001	L.001	L.001

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18140L ENDRIN UG/L	18150L HBOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
17	04	78	1510	0417	L.002	L.002		L.004	L.002	L.2		L.009

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18555P DICHLORPROP UG/L	18600YZ PICLORAM (TORDON) UG/L	18160L AROCLOR 1254 (PCB'S) UG/L	18161L AROCLOR 1248 (PCB'S) UG/L	18162L AROCLOR 1268 (PCB'S) UG/L
17	04	78	1510	0417	L.004		L.002	L.002	L.005

STATION **00AL07AA0023** LAT. **53D 2M 30S** LONG. **118D 5M 15S** UTM **11 427100E 5877200N**

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
31	01	77	1820	0003	.5	18.4		239.	8.1	7.9		1.4
07	06	77	1730	0003	12.	21.6	128.	131.	7.4	7.9		92.
15	08	77	1640	0003	12.	21.1	96.	129.	8.2	8.3		72.
04	10	77	0810	0003	4.0	20.7	252.	189.	7.8	8.1	2.0	3.8
10	01	78	0830	0003	1.	18.0	304.	285.	8.2	8.0	1.	1.3
17	04	78	1620	0417	5.	21.7	260.	226.	8.2	8.4		1.8
08	05	78	1400	0417	8.	19.1	260.	291.	7.9	8.7		1.1
19	06	78	1730	0417	8.	19.5	180.	134.	8.4	8.2		21.
18	07	78	1515	0417	10.	21.6	150.	137.	8.1	8.2		67.
06	08	78	1345	0417	13.	19.8	161.	144.	8.3	8.3		94.
18	09	78	1500	0417	5.0	19.2	168.	184.	8.2	8.2		2.6
16	10	78	1515	0417	5.5	20.2	200.	204.	7.6	8.1		1.4
21	11	78	0930	0417	.0	21.7	240.	258.	8.5	8.2		3.2
13	12	78	0925	0417	1.0	20.5	260.	252.	8.1	8.0		32.
08	01	79	1530	0417	.5	22.3	310.	272.	8.3	8.1		.3
05	02	79	1700	0417	.5	22.6	335.	262.	8.1	8.1	1.1	.7
06	03	79	1620	0417	1.0	22.3	315.	248.	7.9	7.9	3.0	3.5
02	04	79	1500	0417	2.5	19.2		247.	8.4	8.0	.8	1.0
07	05	79	1345	0417	7.0	22.3	270.	226.	8.0	7.9	4.7	3.3
06	06	79	0930	0417	5.0	22.1	130.	127.	8.5	8.0		31.
23	07	79	1430	0417	11.	20.1	223.		8.4	8.1	99.	70.
20	08	79	1500	0417	12.5	21.7		137.	8.1	8.2	100.	83.
10	09	79	1410	0417	9.	18.9		146.	8.3	8.1	16.5	5.5
09	10	79	1540	0417	6.	19.2		193.	8.3	8.1	9.5	5.1
13	11	79	1530	0417	1.5	15.7	215.	233.	8.1	8.0	2.5	1.8
03	12	79	1640	0417	.5	20.5	230.	257.	8.2	8.2	1.4	1.2

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
31	01	77	1820	0003	L5.			10.7			
07	06	77	1730	0003	30.	181.		10.2			
15	08	77	1640	0003	L5.	55.		10.1			
04	10	77	0810	0003	L5.	2.		11.7			
10	01	78	0830	0003	L5.	2.		13.6			
17	04	78	1620	0417	L5.	5.		10.6			
08	05	78	1400	0417	5.	3.		11.1			
19	06	78	1730	0417	10.	22.		10.6			
18	07	78	1515	0417	20.	48.		11.0			
06	08	78	1345	0417	20.	51.		11.0			
18	09	78	1500	0417	L5.	10.		11.2			
16	10	78	1515	0417	L5.	4.		10.9			
21	11	78	0930	0417	L5.	2.		12.3			
13	12	78	0925	0417	L5.	45.		13.8			
08	01	79	1530	0417	L5.	L1.		12.9			
05	02	79	1700	0417	L5.	2.		12.2			

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100E 5877200N**

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	38301L OXYGEN TOTAL COD O2 MG/L	38711L CHLORO-PHYLL A MG/L
08	03	79	1820	0417	L5.	4.		12.0			
02	04	79	1500	0417	5.	3.		13.3			
07	05	79	1345	0417	10.	6.		11.1			
06	06	79	0830	0417	20.	15.		11.7			
23	07	79	1430	0417	25.	99.		10.2			
20	08	79	1800	0417	30.	112.		9.6			
10	09	79	1410	0417	5.	3.		10.6			
09	10	79	1640	0417	5.	15.		12.0			
13	11	79	1550	0417	L5.	L1.		12.5			
03	12	79	1640	0417	L5.	1.		13.2			

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO DL	36102F FECAL STREP. MF NO DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
31	01	77	1820	0003				32.8	11.1			127.6
07	06	77	1730	0003				19.6	5.4			71.2
15	06	77	1640	0003				21.7	5.0			74.8
04	10	77	0810	0003				26.6	8.3			100.6
10	01	78	0830	0003				40.9	14.4			161.4
17	04	78	1620	0417				31.8	10.1			121.0
08	05	78	1400	0417	26. 02L	L2. 12L	L2. 02L	29.8	9.8			114.8
19	06	78	1730	0417	16. 02L		2. 02L	20.2	5.3			72.3
18	07	78	1515	0417		8. 12L	6. 02L	20.8	5.0			72.5
08	08	78	1345	0417	190. 02L	14. 12L	4. 02L	21.1	5.3			74.5
18	09	78	1500	0417	110. 02L	2. 12L	12. 02L	23.9	7.3			89.7
16	10	78	1515	0417	32. 02L	L2. 12L	L2. 02L	28.5	8.8			107.4
21	11	78	0820	0417	18. 02L	L2. 12L	L2. 02L	35.0	11.0			132.7
13	12	78	0825	0417	4. 02L	L2. 12L	L2. 02L	32.6	10.8			125.9
08	01	79	1530	0417	56. 02L	2. 12L	4. 02L	35.0	11.6			135.2
05	02	79	1700	0417	28.	L2.	L2.	33.7	11.3			130.7
06	03	79	1620	0417	6.	2.	L2.	31.4	11.0			123.7
02	04	79	1500	0417	L2.	L2.	L2.	33.7	11.2			130.3
07	05	79	1345	0417	5.	L2.	L2.	28.3	9.1			108.1
06	06	79	0830	0417	100.	30.	18.	18.4	4.8			65.7
23	07	79	1430	0417	350.	30.	30.	19.5	4.5			67.2
20	08	79	1500	0417	180.	60.	23.	21.2	4.8			72.7
10	09	79	1410	0417	34.	7.	8.	20.7	5.8			75.6
09	10	79	1540	0417	41.	L2.	4.	24.8	7.5			92.8
13	11	79	1550	0417	L2.	L2.	L2.	28.8	9.7			111.8
03	12	79	1640	0417	12.	L2.	L2.	32.5	11.2			127.3

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100E 5877200N**

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE						06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL		11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
		CST			SUBM	CO3	CACO3	HCO3	CACO3		NA	K	CL	F
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L		MG/L	MG/L	MG/L	MG/L
31	01	77	1620		0003	0.	.0	116.	95.5		1.6	.4	.9	.07
07	06	77	1730		0003	0.	.0	71.	58.3		.7	.2	.2	.06
15	06	77	1640		0003	0.	.0	82.	67.		.6	.1	.2	.06
04	10	77	0810		0003	0.	.0	93.	76.6		1.1	.4	.4	L.05
10	01	78	0930		0003	0.	.0	144.	118.		2.0	.5	1.0	.08
17	04	78	1620		0417	0.	0.	113.	93.0		1.7	.4	1.0	.07
08	05	78	1400		0417				90.8		1.5	.5	.6	.07
19	06	78	1730		0417	0.	0.	78.	64.		.7	.4	.3	L.05
18	07	78	1515		0417	0.	0.	77.	63.		.5	.3	.2	L.05
08	08	78	1345		0417	0.	.0	76.	62.		.7	.2	.2	L.05
18	09	78	1500		0417	0.	0.	85.	70.		.9	.4	.3	.09
16	10	78	1515		0417	0.	.0	83.	68.	06L	1.1	.3	.5	.07
21	11	78	0930		0417	0.	.0	54.	44.	06L	1.5	.4	.8	.07
13	12	78	0925		0417	0.	.0	104.	85.	06L	1.5	.5	.8	.07
08	01	79	1530		0417	0.	.0	115.	94.	06L	1.5	.4	.8	.07
05	02	79	1700		0417	0.	0.	98.	80.	06L	1.6	.5	.8	.08
06	03	79	1620		0417	0.	.0	104.	85.	06L	1.7	.4	.9	.08
02	04	79	1500		0417	0.	.0	113.	93.	06L	1.7	.4	1.1	.07
07	05	79	1345		0417	0.	.0	95.	78.	06L	1.2	L.1	.8	.06
06	06	79	0830		0417	0.	.0	59.	48.	06L	.4	.3	.3	L.05
23	07	79	1430		0417	0.	.0	69.	57.	06L	.4	.2	.2	.05
20	08	79	1500		0417	0.	.0	68.	56.	06L	.6	.2	.3	L.05
10	09	79	1410		0417	0.	.0	71.	58.	06L	.6	.2	.3	.07
09	10	79	1540		0417	0.	.0	88.	72.	06L	.9	.3	.5	.07
13	11	79	1550		0417	0.	.0	94.	77.	06L	1.4	.4	.8	.07
03	12	79	1640		0417	0.	.0	106.	87.	06L	1.6	.5	.8	.07

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE		00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC		06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST			SUBM	SO4	SIO2		(CALCD.)	C	(CALCD.)	C		C	C
D	M	Y	HR		ID	MG/L	MG/L		MG/L	MG/L	MG/L	MG/L		MG/L	MG/L
31	01	77	1620		0003	25.	4.2	02L	133.	2.					22.
07	06	77	1730		0003	9.4	2.6	02L	73.	4.					22.
15	06	77	1640		0003	10.	2.1	02L	80.	3.					18.
04	10	77	0810		0003	19.	3.4	02L	105.	2.					18.
10	01	78	0930		0003	32.	5.8	02L	167.	1.					27.
17	04	78	1620		0417	26.	3.9	02L	131.		Q1.1	L1.0	01L	.11	
08	05	78	1400		0417	20.	4.2	02L	121.		2.0	2.	01L	.03	
19	06	78	1730		0417	10.	2.7	02L	78.		Q1.5	L1.0	01L	.46	
18	07	78	1515		0417	10.	2.2		77.		13.9	11.	01L	2.9	
08	08	78	1345		0417	10.	2.0		77.		Q3.7	L1.0	01L	2.7	
18	08	78	1500		0417	15.	3.3		93.		1.2	1.	01L	.21	
16	10	78	1515		0417	18.	3.5		102.		1.1	1.		.11	
21	11	78	0930		0417	24.	4.5		104.		Q1.4	L1.		.38	
13	12	78	0925		0417	23.	7.2		127.		6.4	1.		5.4	
08	01	79	1530		0417	25.	4.4		135.		Q1.1	L1.		.05	
05	02	79	1700		0417	24.	4.4		124.		1.1	1.		.08	

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100**E **5877200**N

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER.

SAMPLE DATE CST				SUBM	16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
D	M	Y	HR	ID	SO4 MG/L	SIO2 MG/L	(CALCD.) MG/L	C MG/L	(CALCD.) MG/L	C MG/L	C MG/L	C MG/L
06	03	79	1620	0417	24.	4.1	125.		1.1	1.	.11	
02	04	79	1500	0417	27.	4.2	135.				.11	
07	05	79	1345	0417	19.8	4.0	Q110.		2.5	2.	.52	
06	06	79	0830	0417	7.4	2.5	63.		3.3	2.	1.3	
23	07	79	1430	0417	10.4	2.0	71.		4.8	1.	3.8	
20	08	79	1500	0417	10.	1.8	73.		15.0	12.	3.0	
10	09	79	1410	0417	14.	2.5	79.		Q1.4	L1.	.41	
09	10	79	1540	0417	17.	2.8	97.		Q1.4	L1.	.43	
13	11	79	1550	0417	26.	5.6	119.		Q1.1	L1.	.12	
03	12	79	1640	0417	30.	4.0	133.		Q1.1	L1.	.12	

SAMPLE DATE CST				SUBM	06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
D	M	Y	HR	ID	C MG/L		P MG/L	P MG/L	P MG/L	P MG/L	N MG/L	N MG/L	N MG/L
31	01	77	1620	0003			.010						
07	06	77	1730	0003			.14						
15	08	77	1640	0003			.045						
04	10	77	0810	0003			.005						
10	01	78	0930	0003			.01						
17	04	78	1620	0417	22.	SIL	.005	L.003			.30	.20	.10
08	05	78	1400	0417	20.	SIL	L.003	L.003			Q.23	L.01	.22
19	06	78	1730	0417	7.	SIL	.032	L.003			.14	.04	.10
18	07	78	1515	0417	13.	SIL	.027	L.003			.10	.05	.05
08	08	78	1345	0417	15.	SIL	.049	L.003			.09	.06	.03
18	09	78	1500	0417	16.	SIL	.009	.003			.09	.02	.07
16	10	78	1515	0417	18.		.005	L.003			.11	.02	.09
21	11	78	0920	0417	17.		.006	.003			22	.05	.17
13	12	78	0925	0417	21.		.013	.010			.54	.37	.17
08	01	79	1530	0417	24.		.005	004			.16	.01	.15
05	02	79	1700	0417	23.		.008	.006			.14	.01	.13
06	03	79	1620	0417	21.		.011	.006			.15	.02	.13
02	04	79	1500	0417	25.		.007	.006			.14	.02	.12
07	05	79	1345	0417	21.		.004	L.003			.18	.05	.13
06	06	79	0830	0417	15.		.016	L.003			.25	.06	.19
23	07	79	1430	0417	12.		.048	L.003			Q.08	L.01	.07
20	08	79	1500	0417	5.		.60	L.003			Q.27	L.01	.26
10	09	79	1410	0417	13.		.012	L.003			.11	.03	.08
09	10	79	1540	0417	16.		.009	L.003			10	.03	.07
13	11	79	1550	0417	19.		.003	L.003			.10	.02	.08
03	12	79	1640	0417	20.		.005	.005			.16	.03	.13

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100**E **5877200**N

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE					07602L NITROGEN TOTAL (CALCD.)	07302L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST		SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1820	0003	Q.21	L.1	.11		L.005	.03	L.0005	L.0005
07	06	77	1730	0003	.23	.1	.13		L.005	.02	L.0005	L.0005
15	08	77	1640	0003	Q.16	L.1	.06		L.005	L.02	L.0005	L.0005
04	10	77	0810	0003	.76	.7	.06		L.005	L.02	L.0005	L.0005
10	01	78	0930	0003	.40	2	.20		L.005	L.02	L.0005	L.0005
17	04	78	1620	0417			.04		.007	L.02	L.0005	L.0005
08	05	78	1400	0417			.06		.004	L.02	L.0005	L.0005
19	06	78	1730	0417			.05		.002	L.02	L.0005	L.0005
18	07	78	1515	0417			.04		L.005	L.02	L.0005	L.0005
08	08	78	1345	0417			.03		L.005	L.02	L.0005	L.0005
18	09	78	1500	0417			.05		.001	.02	L.0005	L.0005
16	10	78	1515	0417			.06		.002	.02	L.0005	L.0005
21	11	78	0920	0417			.10		.011	.04	L.0005	.0005
13	12	78	0925	0417			.10		.002	.04	L.0005	L.0005
08	01	79	1530	0417			.11			.02	L.0005	L.0005
05	02	79	1700	0417			.12		.001	.02	L.0005	L.0005
06	03	79	1620	0417			.11		019	.03	L.0005	L.0005
02	04	79	1500	0417					.002	.02	L.0005	L.0005
07	05	79	1345	0417			.05			.04	L.0005	L.0005
06	06	79	0830	0417			.09		.002	.03	L.0005	L.0005
23	07	79	1430	0417			.05		L.001	L.02	L.0005	L.0005
20	08	79	1500	0417			.05		L.001	L.02	L.0005	L.0005
10	09	79	1410	0417			.05		001	.02	L.0005	L.0005
09	10	79	1540	0417			.05		L.001	L.02	L.0005	L.0005
13	11	79	1550	0417			.07		L.001	.02	L.0005	L.0005
03	12	79	1640	0417			.11		.001	.03	L.0005	L.0005

SAMPLE DATE					04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
		CST		SUBM	BE	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
31	01	77	1820	0003	L.01	.012	L.001	L.015	L.01	.05	.003	.005
07	06	77	1730	0003	L.01	.95 02P	L.001	L.015	.15	2.2	L.002	.003
15	08	77	1640	0003	L.01	.22	L.001	L.015	.05	.79	L.002	L.002
04	10	77	0810	0003	L.01	.030	L.001	L.015	L.01	.04	L.002	L.002
10	01	78	0930	0003	L.01	.040	L.001	L.015	L.01	.12	L.002	L.002
17	04	78	1620	0417			L.001		L.01	.05	L.002	
08	05	78	1400	0417			L.001		L.01	.44	L.002	
19	06	78	1730	0417			L.001		.05	.32	L.002	
18	07	78	1515	0417			L.001		.03	.39	L.002	
08	08	78	1345	0417			.001		.05	.90	L.002	
18	09	78	1500	0417			L.001		L.01	.13	L.002	
16	10	78	1515	0417			L.001		L.01	L.04	L.002	
21	11	78	0920	0417			L.001		.01	.23	L.002	
13	12	78	0925	0417			.001		.02	.23	L.002	
08	01	79	1530	0417			L.001		.01	L.04	L.002	
05	02	79	1700	0417			L.001		L.01	.04	L.002	

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11** **427100**E **5877200**N

ATHABASCA RIVER AT HWY 15 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE D	M	Y	CST HR	SUBM ID	04301P BERYLLIUM EXTRBLE. BE MG/L	13305P ALUMINUM EXTRBLE. AL MG/L	23302P VANADIUM EXTRBLE. V MG/L	24302P CHROMIUM EXTRBLE. CR MG/L	25304P MANGANESE EXTRBLE. MN MG/L	26304P IRON EXTRBLE. FE MG/L	27302P COBALT EXTRBLE. CO MG/L	28302P NICKEL EXTRBLE. NI MG/L
06	03	79	1620	0417			L.001		L.01	.12	L.002	
02	04	79	1500	0417			.001		L.01	.05	L.002	
07	05	79	1345	0417			.001		.01	.18	.002	
06	06	79	0830	0417			L.001		.03	.70	L.002	
23	07	79	1430	0417			.001		.06	1.20	L.002	
20	08	79	1500	0417			L.001		.05	1.03	L.002	
10	09	79	1410	0417			L.001		.01	.32	L.002	
09	10	79	1540	0417			L.001		.01	.21	L.002	
13	11	79	1550	0417			L.001		L.01	.10	L.002	
03	12	79	1640	0417			L.001		L.01	.05	L.002	

SAMPLE DATE D	M	Y	CST HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
31	01	77	1820	0003	.011	L.001	.28			.002	.1	L.05
07	06	77	1730	0003	.001	.004	.19			L.001	L.1	L.02
15	08	77	1640	0003	.001	.001	.16			L.001	L.1	L.02
04	10	77	0810	0003	L.001	L.001	.19			L.001	L.1	L.02
10	01	78	0930	0003	L.001	.004	33			L.001	.1	L.02
17	04	78	1620	0417	L.001	L.001				L.001	.1	L.02
08	05	78	1400	0417	.002	.005				L.001	.1	L.02
19	06	78	1730	0417	.004	L.001				L.001	L.1	.02
18	07	78	1515	0417	L.001	L.001				L.001	L.1	L.02
08	08	78	1345	0417	L.001	L.001				L.001	L.1	L.02
18	09	78	1500	0417	L.001	L.001				L.001	L.1	L.02
16	10	78	1515	0417	L.001	L.001				L.001	L.1	L.02
21	11	78	0920	0417	.002	.003				L.001	L.1	L.02
13	12	78	0925	0417	.003	.005				.001	L.1	L.02
08	01	79	1530	0417	.001	.001				L.001	.1	L.02
05	02	79	1700	0417		L.001				L.001	L.1	L.02
06	03	79	1620	0417	.003	.002				L.001	.1	L.02
02	04	79	1500	0417	.001	L.001				L.001	.1	L.02
07	05	79	1345	0417	.003	L.001				L.001	.1	
06	06	79	0830	0417	.001	L.001				L.001	L.1	
23	07	79	1430	0417	.001	.002				L.001	L.1	
20	08	79	1500	0417	.001	.002				L.001	.1	
10	09	79	1410	0417	.001	.002				L.001	L.1	
09	10	79	1540	0417	.004	.001				L.001	L.1	
13	11	79	1550	0417	L.001	.002				L.001	L.1	
03	12	79	1640	0417	L.001	L.001				L.001	L.1	

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100**E **5877200**N

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER.

SAMPLE DATE					80011P MERCURY TOTAL	82302P LEAD EXTRBLE.	06535P PHENOLIC MATERIAL	06521P OIL AND GREASE	06510P AROMATIC HYDROC.	06500P N-ALKANES	10701P SURFACT. N-ALKYL SULPHNTE.	10711P NTA NITRILOTRI ACETIC AC.
		CST		SUBM	HG	PB	PHENOL			C10 - C26	LAS	H3NTA
D	M	Y	HR	ID	UG/L	MG/L	MG/L	MG/L	UG/L	UG/L	MG/L	MG/L
31	01	77	1620	0003		L.004	.003					
07	06	77	1730	0003		.006	.002					
15	08	77	1640	0003		L.004	.003					
04	10	77	0810	0003		L.004	.001					
10	01	78	0930	0003		L.004	L.001					
17	04	78	1620	0417		L.004	L.001					
08	05	78	1400	0417		L.004	L.001					
19	06	78	1730	0417		L.004	L.001					
18	07	78	1515	0417		L.004	L.001					
08	08	78	1345	0417		L.004	L.001					
18	09	78	1500	0417		L.004	L.001					
16	10	78	1515	0417		L.004	L.001					
21	11	78	0920	0417		L.004	L.001					
13	12	78	0925	0417		L.004						
08	01	79	1530	0417		L.004						
05	02	79	1700	0417		L.004	L.001					
06	03	79	1620	0417		.004	L.001					
02	04	79	1500	0417		L.004	.006					
07	05	79	1345	0417	L.02	L.004	.002					
06	06	79	0830	0417	L.02	.004	.001					
23	07	79	1430	0417	L.02	L.004	.005					
20	08	79	1500	0417	L.02	L.004	.002					
10	09	79	1410	0417	L.02	L.004	.002					
09	10	79	1540	0417	L.02	L.004	.006					
13	11	79	1550	0417	L.02	L.004	.001					
03	12	79	1640	0417	L.02	L.004	L.001					

SAMPLE DATE					17811L HEXACHLORO-BENZENE	18000L P,P-DDT	18005L O,P-DDT	18010L P,P-TDE	18020L P,P-DDE	18030L P,P-METHOXY-CHLOR	18040L HEPTACHLOR	18045L HEPTACHLOR EPOXIDE
		CST		SUBM								
D	M	Y	HR	ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
15	08	77	1640	0003		L.004		L.002	L.001	L.01	L.001	L.002
17	04	78	1620	0417		L.004		L.002	L.001	L.01	L.001	L.002
08	05	78	1400	0417		L.004		L.002	L.001	L.01	L.001	L.002
19	06	78	1730	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
18	07	78	1515	0417		L.004	L.001	L.002	L.001	L.01	L.001	L.002
08	08	78	1345	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
18	09	78	1500	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
16	10	78	1515	0417	.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
21	11	78	0920	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
13	12	78	0925	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
08	01	79	1530	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
05	02	79	1700	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	03	79	1620	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
02	04	79	1500	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
07	05	79	1345	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	06	79	0830	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002

STATION **00AL07AA0023** LAT. **53**D **2**M **30**S LONG. **118**D **5**M **15**S UTM **11** **427100**E **5877200**N

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P PENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
31	01	77	1820	0003				L.004	L.002	L.2 20L		L.009
07	06	77	1730	0003				L.004	L.002	L.2		L.009
15	08	77	1640	0003		L.002		L.004	L.002	L.2		L.009
04	10	77	0810	0003				L.004	.009	L.2		L.009
10	01	78	0930	0003				L.004	L.002	L.2		L.009
17	04	78	1620	0417	L.002	L.002		.013	.009	L.2		L.009
08	05	78	1400	0417	L.002	L.002		.007	L.002	L.2		L.009
19	06	78	1730	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
18	07	78	1515	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
08	08	78	1345	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
18	09	78	1500	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
16	10	78	1515	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
21	11	78	0920	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
13	12	78	0925	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
08	01	79	1530	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
05	02	79	1700	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
06	03	79	1620	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
02	04	79	1500	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
07	05	79	1345	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
06	06	79	0930	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
23	07	79	1430	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
20	08	79	1500	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
10	09	79	1410	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
09	10	79	1540	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
13	11	79	1550	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009
03	12	79	1640	0417	L.002	L.002		L.004	L.002	L.2	L.004	L.009

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18555P DICHLORPROP UG/L	1860YZ PICLORAM (TORDON) UG/L	18160L AROCLOR 1254 (PCB'S) UG/L	18161L AROCLOR 1248 (PCB'S) UG/L	18162L AROCLOR 1260 (PCB'S) UG/L
31	01	77	1820	0003	L.004		L.03	L.02	L.06
07	06	77	1730	0003	L.004		L.002	L.002	L.005
15	08	77	1640	0003	L.004		L.002	L.002	L.005
04	10	77	0810	0003	L.004		L.002	L.002	L.005
10	01	78	0930	0003	L.004		L.002	L.002	L.005
17	04	78	1620	0417	L.004		L.002	L.002	L.005
08	05	78	1400	0417	L.004		L.002	L.002	L.005
19	06	78	1730	0417	L.004	L.2 00P	L.002	L.002	L.005
18	07	78	1515	0417	L.004	L.2 00P	L.002	L.002	L.005
08	08	78	1345	0417	L.004	L.2 00P	L.002	L.002	L.005
18	09	78	1500	0417	L.004	L.2 00P	L.002	L.002	L.005
16	10	78	1515	0417	L.004	L.2 01P	L.002	L.002	L.005
21	11	78	0920	0417	L.004	L.2 01P	L.002	L.002	L.005
13	12	78	0925	0417	L.004	L.2 01P	L.002	L.002	L.005
08	01	79	1530	0417	L.004	L.2 01P	L.002	L.002	L.005
05	02	79	1700	0417	L.004	L.2 01P	L.002	L.002	L.005

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100E 5877200N**

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE D	M	CST Y	HR	SUBM ID	17511L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
23	07	79	1430	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
20	08	79	1500	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
10	09	79	1410	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
09	10	79	1540	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
13	11	79	1550	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
03	12	79	1640	0417	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
31	01	77	1820	0003						L.001	L.001	
07	06	77	1730	0003						L.001	.001	
15	06	77	1640	0003		L.001	L.003			.001	.004	L.001
04	10	77	0810	0003						L.001	.001	
10	01	78	0930	0003						L.001	L.001	
17	04	78	1620	0417		L.001	L.003	L.003	L.002	L.001	.001	L.001
06	05	78	1400	0417		L.001	L.003	L.003	L.002	L.001	.001	L.001
19	06	78	1730	0417	L.001	L.001	L.003	L.003	L.002	L.001	.002	L.001
18	07	78	1515	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
06	08	78	1345	0417	L.001	L.001	L.003	L.003	L.002	L.001	.009	L.001
18	09	78	1500	0417	L.001	L.001	L.003	L.003	L.002	L.001	.001	L.001
16	10	78	1515	0417	L.001	L.001	L.003	L.003	L.002	L.001	.001	L.001
21	11	78	0920	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
13	12	78	0925	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
06	01	79	1530	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
05	02	79	1700	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
06	03	79	1620	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
02	04	79	1500	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
07	05	79	1345	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
06	06	79	0830	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
23	07	79	1430	0417	L.001	L.001	L.003	L.003	L.002	L.001	.004	L.001
20	08	79	1500	0417	L.001	L.001	L.003	L.003	L.002	L.001	.007	L.001
10	09	79	1410	0417	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
09	10	79	1540	0417	L.001	L.001	L.003	L.003	L.002	L.001	.004	L.001
13	11	79	1550	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001
03	12	79	1640	0417	L.001	L.001	L.003	L.003	L.002	L.001	L.001	L.001

STATION **00AL07AA0023** LAT. **53** D **2** M **30** S LONG. **118** D **5** M **15** S UTM **11 427100**E **5877200**N

ATHABASCA RIVER AT HWY 16 BRIDGE
BELOW CONFLUENCE WITH SNARING RIVER

SAMPLE DATE						18555P	18566Z	18160L	18161L	18162L
			CST		SUBM	DICHLORPROP	PICLORAM (TORDON)	AROCLOR 1254 (PCB'S)	AROCLOR 1248 (PCB'S)	AROCLOR 1260 (PCB'S)
D	M	Y	HR	ID		UG/L	UG/L	UG/L	UG/L	UG/L
06	03	79	1620	0417		L.004	L.2 01P	L.002	L.002	L.005
02	04	79	1500	0417		L.004	L.2 01P	L.002	L.002	L.005
07	05	79	1345	0417		L.004	L.2 01P	L.002	L.002	L.005
06	06	79	0830	0417		L.004	L.2 01P	L.002	L.002	L.005
23	07	79	1430	0417		L.004	L.2 01P	L.002	L.002	L.005
20	08	79	1500	0417		L.004	L.2 01P	L.002	L.002	L.005
10	09	79	1410	0417		L.004	L.2 01P	L.002	L.002	L.005
09	10	79	1540	0417		L.004		L.002	L.002	L.005
13	11	79	1550	0417		L.004	L.2 01P	L.002	L.002	L.005
03	12	79	1640	0417		L.004	L.2 01P	L.002	L.002	L.005

IV

RESULTS FROM
WATERTON NATIONAL PARK

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800**E **5436500**N

BELLY RIVER AT HWY 6, WATERTON LAKES
NATIONAL PARK, ALBERTA

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
		CST		SUBM				O2	O2	O2	
D	M	Y	HR	ID	REL. UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
06	06	79	1330	0003	10.	35.		9.7			
29	08	79	1315	0003	L5.	L1.		9.3			
20	09	79	1500	0003	L5.	L1.		9.4			
24	10	79	1330	0003	L5.	5.		12.			
21	11	79	1500	0003	5.	3.		11.9			
13	12	79	1500	0003	5.	2.		11.9			

SAMPLE DATE					36002F COLIFORMS TOTAL	36012F COLIFORMS FECAL	36102F FECAL STREP.	20103L CALCIUM DISSOLVED	12102L MAGNESIUM DISSOLVED	12101L MAGNESIUM DISSOLVED (CALCD.)	10606L HARDNESS TOTAL LAB CALC.	10602L HARDNESS TOTAL (CALCD.)
		CST		SUBM	MF	MF	MF	CA	MG	MG	CACO3	CACO3
D	M	Y	HR	ID	NO/DL	NO/DL	NO/DL	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011	0003				29.1	12.9			125.8
21	06	77	1040	0003				20.0	7.6			81.2
23	08	77	0940	0003				20.6	7.7			83.1
25	10	77	1440	0003				23.2	9.7			97.9
11	04	78	1700	0003	4. 02L	L2. 12L		27.0	11.5			114.8
17	05	78	1245	0003	22. 02L	L2. 12L		22.0	9.3			93.2
20	06	78	1700	0003	8. 02L	L2. 12L		20.3	8.2			84.4
24	07	78	1415	0001	20. 02L	2. 12L		20.7	8.4			86.3
28	08	78	1245	0001	22. 02L	L2. 12L		21.0	8.7			88.3
25	09	78	1230	0001	6. 02L	L2. 12L		20.0	8.3			84.1
23	10	78	1240	0001	L8. 02L	L2. 12L		26.2	12.0			114.8
20	11	78	1340	0001	12. 02L	L2. 12L		27.3	11.3			114.7
11	12	78	1230	0001	2. 02L	L2. 12L		28.7	12.2			121.9
22	01	79	1145	0001	4. 02L	2. 12L		31.3	13.4			133.3
12	02	79	1200	0001	6. 02L	L2. 12L		30.8	12.7			129.2
05	03	79	1215	0001	L2. 02L	L2. 12L		28.8	13.5			127.5
25	04	79	1110	0003	3.	L2.		33.0	13.9			139.6
16	05	79	1315	0003	27.	3.		24.6	10.1			103.0
06	06	79	1330	0003	27.	11.		18.5	7.6			77.5
29	08	79	1315	0003	L2.	L2.		22.1	9.1			92.6
20	09	79	1500	0003	3.	L2.		23.9	9.9			100.4
24	10	79	1330	0003	L2.	L2.		26.9	11.2			113.3
21	11	79	1500	0003	4.	L2.		27.7	12.3			119.8
13	12	79	1500	0003	L2.	L2.		25.7	11.3			110.7

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800E 5436500N**

BELLY RIVER AT HWY 6. WATERTON LAKES
NATIONAL PARK. ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	02061F TEMP. WATER DEG.C.	02061L TEMP. WATER DEG.C.	02041F SPECIFIC CONDUCT. USIE/CM	02041L SPECIFIC CONDUCT. USIE/CM	10301F PH PH UNITS	10301L PH PH UNITS	02073F TURBIDITY JTU	02073L TURBIDITY JTU
26	01	77	1011	0003	.5	16.9		218.	8.1	8.0		1.1
21	06	77	1040	0003	12.	20.	137.	147.	7.7	8.2		1.5
23	08	77	0940	0003	12.	20.3	160.	154.	8.0	8.2		4.0
25	10	77	1440	0003	7.0	16.1		171.	7.9	8.2	.2	5.6
11	04	78	1700	0003	7.0	13.6	265.	207.	8.0	8.2		1.5
17	05	78	1245	0003	6.5	19.5		144.	7.7	8.1	9.5	15.
20	06	78	1700	0003	13.0	19.4	148.	150.	7.6	8.1	3.5	3.6
24	07	78	1415	0001	17.	20.6		158.		8.2		1.8
28	08	78	1245	0001	11.5	18.5	150.	164.	7.6	8.2		.8
25	09	78	1230	0001	10.	19.7	190.	165.	7.6	8.2		.4
23	10	78	1240	0001	5.5	21.1	160.	207.	7.8	8.3		.8
20	11	78	1340	0001	1.0	21.6	175.	219.	7.4	8.1		2.5
11	12	78	1230	0001	.5	19.9	230.	238.	7.6	7.9		1.0
22	01	79	1145	0001	.0	21.4	215.	258.		7.9		.2
12	02	79	1200	0001	0.	22.2		254.		8.1		.5
05	03	79	1215	0001	.5	22.9	205.	245.		7.9		.8
25	04	79	1110	0003	4.5	21.8	300.	274.	7.7	8.0	3.8	1.0
16	05	79	1315	0003	8.0	20.3	256.	201.	7.8	8.1	29.0	38.
06	06	79	1330	0003	8.	21.5	230.	149.	8.1	7.9	16.0	22.
29	08	79	1315	0003	14.	21.8		185.		8.2	.8	.4
20	09	79	1500	0003	13.	19.6	215.	204.	8.2	8.3	.1	.4
24	10	79	1330	0003	6.	22.1	205.	222.	7.7	8.2	.7	.2
21	11	79	1500	0003	1.	20.2	200.	241.	7.8	8.1	1.3	.6
13	12	79	1500	0003	1.0	23.7	220.	215.	7.4	8.0	1.7	2.7

SAMPLE DATE D	M	CST Y	HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFLTR. MG/L	10501L RESIDUE FIXED NONFLTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
26	01	77	1011	0003	L5.			11.3			
21	06	77	1040	0003	L5.	L1.		9.5			
23	08	77	0940	0003	L5.	4.		9.3			
25	10	77	1440	0003	L5.	1		10.0			
11	04	78	1700	0003	5.	1.		11.2			
17	05	78	1245	0003	L5.			10.5			
20	06	78	1700	0003	L5.	3.		9.6			
24	07	78	1415	0001	L5.	2.		8.9			
28	08	78	1245	0001	L5.	L1.		9.1			
25	09	78	1230	0001	L5.			10.2			
23	10	78	1240	0001	L5.	L1.		10.8			
20	11	78	1340	0001	L5.	5.		11.8			
11	12	78	1230	0001	L5.	1.		13.8			
22	01	79	1145	0001	L5.	L1.		11.4			
12	02	79	1200	0001	L5.	L1.		10.7			
05	03	79	1215	0001	L5.	L1.		12.0			
25	04	79	1110	0003	L5.	L1.		11.2			
16	05	79	1315	0003	20.	72.		10.0			

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800**E **5436500**N

BELLY RIVER AT HWY 6, WATERTON LAKES
NATIONAL PARK, ALBERTA

SAMPLE DATE						06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
		CST			SUBM	CO3	CACO3	HCO3	CACO3	NA	K	CL	F
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011		0003	0.	.0	139.	114.	1.2	.3	.1	L.05
21	06	77	1040		0003	0.	.0	89.	72.9	.8	.2	.2	L.05
23	08	77	0940		0003	0.	.0	91.	75.	.8	.2	.1	L.05
25	10	77	1440		0003	0.	.0	105.	85.9	1.1	.3	.2	L.05
11	04	78	1700		0003	0.	0.	127.	104.	1.4	.3	.2	L.05
17	05	78	1245		0003	0.	.0	96.	79.	1.0	.3	.3	L.05
20	06	78	1700		0003	0.	.0	93.	76.	.8	.3	.2	L.05
24	07	78	1415		0001	0.	0.	93.	76.	.8	.2	.2	L.05
28	08	78	1245		0001	0.	0.	98.	80.	1.0	.3	.4	L.05
25	09	78	1230		0001	0.	0.	96.	79. 06L	.8	.2	.2	L.05
23	10	78	1240		0001	0.	.0	107.	88. 06L	1.2	.3	.2	.05
20	11	78	1340		0001	0.	.0	113.	93. 06L	1.2	.3	.3	L.05
11	12	78	1230		0001	0.	.0	110.	90. 06L	1.3	.3	.2	.05
22	01	79	1145		0001	0.	0.	132.	108. 06L	1.6	.4	.3	.06
12	02	79	1200		0001	0.	0.	132.	108. 06L	1.5	.3	.3	.05
05	03	79	1215		0001	0.	.0	128.	105. 06L	1.6	.3	.2	L.05
25	04	79	1110		0003	0.	.0	139.	114. 06L	1.5	.2	.3	.06
16	05	79	1315		0003	0.	.0	106.	87. 06L	1.1	L.1	.3	L.05
06	06	79	1330		0003	0.	.0	74.	61. 06L	2.5	.3	.3	L.05
29	08	79	1315		0003	0.	.0	98.	80. 06L	1.0	.2	.3	L.05
20	09	79	1500		0003	0.	.0	108.	89. 06L	1.0	.2	.3	.05
24	10	79	1330		0003	0.	.0	122.	100. 06L	1.3	.3	.3	.06
21	11	79	1500		0003	0.	.0	135.	111. 06L	1.3	.2	.3	.05
13	12	79	1500		0003		.0			1.2	.3	.2	L.05

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST			SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011		0003	6.8	3.8 02L	123.	L1.				28.
21	06	77	1040		0003	4.2	2.6 02L	79.	4.				17.
23	08	77	0940		0003	4.7	2.7 02L	82.	L1.				16.
25	10	77	1440		0003	6.0	3.0 02L	95.	L1.				20.
11	04	78	1700		0003	9.	3.7 02L	116.		1.1	1. 01L	.12	
17	05	78	1245		0003	5.2	3.4 02L	89.		1.6	1. 01L	.59	
20	06	78	1700		0003	4.	3.3 02L	83.		2.2	2. 01L	.21	
24	07	78	1415		0001	4.	3.0	83.		Q1.2	L1. 01L	.15	
28	08	78	1245		0001	5.	2.8	87.		Q1.4	L1. 01L	.37	
25	09	78	1230		0001	5.	2.8	85.		Q1.2	L1.	.16	
23	10	78	1240		0001	5.	3.3	101.		Q1.1	L1.	.07	
20	11	78	1340		0001	7.	3.3	107.		Q1.2	L1.	.22	
11	12	78	1230		0001	7.	3.6	107.		1.1	1.	.05	
22	01	79	1145		0001	8.	4.0	124.		Q1.1	L1.	.06	
12	02	79	1200		0001	8.	3.6	122.		1.0	1.	.04	
05	03	79	1215		0001	8.	3.7	119.		1.0	1.	.04	
25	04	79	1110		0003	10.	3.8	131.		1.1	1.	.12	
16	05	79	1315		0003	8.5	4.0	Q101.		3.2	1.	2.2	

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800**E **5438500**N

BELLY RIVER AT HWY 6, WATERTON LAKES
NATIONAL PARK, ALBERTA

SAMPLE DATE					16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST		SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
08	08	79	1330	0003	4.5	3.2	74.		Q2.5	L1.	1.5	
29	08	79	1315	0003	5.0	2.8	89.		1.1	1.	.06	
20	09	79	1500	0003	5.0	3.0	97.		Q1.1	L1.	.07	
24	10	79	1330	0003	6.0	3.1	109.		Q1.0	L1.	.02	
21	11	79	1500	0003	6.6	3.3	118.		1.2	1.	.15	
13	12	79	1500	0003	6.1	3.0			1.2	1.	.15	

SAMPLE DATE					06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST		SUBM	C		P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011	0003			.007						
21	06	77	1040	0003			.006						
23	08	77	0940	0003			.005						
25	10	77	1440	0003			L.003						
11	04	78	1700	0003	24.	51L	.006	.003			.20	.04	.16
17	05	78	1245	0003	19.	51L	.028	004			Q.20	L.01	.19
20	06	78	1700	0003	14.	51L	.007	L.003			.34	.03	.31
24	07	78	1415	0001	16.	51L	.003	L.003			.17	.03	.14
28	08	78	1245	0001	18.	51L	.005	L.003			.16	.03	.13
25	09	78	1230	0001	17.		L.003	L.003			.15	.03	.12
23	10	78	1240	0001	23.		.003	L.003			.12	.02	.10
20	11	78	1340	0001	23.		.007	L.003			.17	.03	.14
11	12	78	1230	0001	25.		L.003	L.003			.14	.01	.13
22	01	79	1145	0001	27.		L.003	L.003			Q.15	L.01	.14
12	02	79	1200	0001	28.		.003	L.003			.19	.01	.18
05	03	79	1215	0001	28.		L.003	L.003			.15	.01	.14
25	04	79	1110	0003	31.		L.003	L.003			.24	.02	.22
16	05	79	1315	0003	11.		.062	013			.37	.17	.20
06	06	79	1330	0003	18.		.034	L.003			.42	.21	.21
29	08	79	1315	0003	20.		.003	L.003			.12	.01	.11
20	09	79	1500	0003	20.		L.003	L.003			.12	.02	.10
24	10	79	1330	0003	23.		L.003	L.003			.12	.01	.11
21	11	79	1500	0003	26.		.005	L.003			.17	.03	.14
13	12	79	1500	0003	22.		.003	.003			.18	.03	.15

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800**E **5436500**N

BELLY RIVER AT HWY 6, WATERTON LAKES
NATIONAL PARK, ALBERTA

SAMPLE DATE					07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
CST				SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011	0003	Q.21	L.1	.11		L.005	.02	L.0005	L.0005
21	06	77	1040	0003	.46	.3	.16		L.005	L.02	L.0005	L.0005
23	08	77	0940	0003	.21	.1	.11		L.005	L.02	L.0005	L.0005
25	10	77	1440	0003	Q.20	L.1	.10			L.02	L.0005	L.0005
11	04	78	1700	0003			.14			.02	L.0005	L.0005
17	05	78	1245	0003			.14		.003	L.02	.0005	L.0005
20	06	78	1700	0003			.26		.003	L.02	L.0005	L.0005
24	07	78	1415	0001			.11			.02	L.0005	L.0005
28	08	78	1245	0001			.09			L.02	L.0005	L.0005
25	09	78	1230	0001			.08			.02	L.0005	L.0005
23	10	78	1240	0001			.08			L.02	L.0005	L.0005
20	11	78	1340	0001			.10			.03	L.0005	L.0005
11	12	78	1230	0001			.12			.02	L.0005	L.0005
22	01	79	1145	0001			.12			.02	L.0005	L.0005
12	02	79	1200	0001			.15			L.02	L.0005	L.0005
05	03	79	1215	0001			.14			.02	L.0005	L.0005
25	04	79	1110	0003			.10			.04	L.0005	L.0005
16	05	79	1315	0003			.12			.02	.0005	L.0005
06	06	79	1330	0003			.13			.03	L.0005	L.0005
29	08	79	1315	0003			.09			.03	L.0005	L.0005
20	09	79	1500	0003			.09			.02	L.0005	L.0005
24	10	79	1330	0003			.09			L.02	L.0005	L.0005
21	11	79	1500	0003			.10			.02	L.0005	L.0005
13	12	79	1500	0003			.13			.02	L.0005	L.0005

SAMPLE DATE					04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
CST				SUBM	BE	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR	ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1011	0003	L.01	.007	L.001	L.015	L.01	.04	L.002	.007
21	06	77	1040	0003	L.01	.045	L.001	L.015	L.01	L.04	.002	L.002
23	08	77	0940	0003	L.01	.036	.001	L.015	.02	.08	L.002	L.002
25	10	77	1440	0003	L.01	.009	L.001	L.015	L.01	L.04	L.002	L.002

STATION **00AL05AD0060** LAT. **49** D **3** M **6** S LONG. **113** D **41** M **6** S UTM **12 303800**E **5436500**N

BELLY RIVER AT HWY 6 WATERTON LAKES
NATIONAL PARK. ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
26	01	77	1011	0003	L.001	.002	.04			.001	.1	L.05
21	06	77	1040	0003	L.001	L.001	.04			L.001	.1	.02
23	08	77	0940	0003	L.001	.001	.03			L.001	.1	L.02
25	10	77	1440	0003	L.001	L.001	.01			L.001	.1	L.02
11	04	78	1700	0003								L.02
17	05	78	1245	0003								L.02
20	06	78	1700	0003								.04
24	07	78	1415	0001								L.02
28	08	78	1245	0001								.11
25	09	78	1230	0001								L.02
23	10	78	1240	0001								.02
20	11	78	1340	0001								L.02
11	12	78	1230	0001								L.02
22	01	79	1145	0001								.02
12	02	79	1200	0001								L.02
05	03	79	1215	0001								L.02

SAMPLE DATE D	M	CST Y	HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C26 UG/L	10701P SURFACT. N-ALKYL SULPHNTS. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
26	01	77	1011	0003		L.004	.001					
21	06	77	1040	0003		L.004	.002					
23	08	77	0940	0003		L.004	.003					
25	10	77	1440	0003		L.004	L.001					
25	04	79	1110	0003	L.02							
16	05	79	1315	0003	L.02							
06	06	79	1330	0003	L.02							
29	06	79	1315	0003	L.02							
20	09	79	1500	0003	L.02							
24	10	79	1330	0003	L.02							
21	11	79	1500	0003	L.02							
13	12	79	1500	0003	L.02							

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE					02061F TEMP. WATER	02061L TEMP. WATER	02041F SPECIFIC CONDUCT.	02041L SPECIFIC CONDUCT.	10301F PH	10301L PH	02073F TURBIDITY	02073L TURBIDITY
		CST		SUBM								
D	M	Y	HR	ID	DEG.C.	DEG.C.	USIE/CM	USIE/CM	PH UNITS	PH UNITS	JTU	JTU
26	01	77	1050	0003	0.	18.0		172.	7.8	8.0		3.5
21	06	77	0950	0003	14.	20.	137.	132.	7.8	8.4		1.3
23	08	77	0835	0003	15.	20.3	173.	163.	8.3	8.3		3.1
25	10	77	1520	0003	7.0	14.7	150.	177.	8.0	8.3	.3	5.4
25	01	78	1345	0003	1.5	18.6	160.	159.	7.9	7.9		2.5
11	04	78	1740	0003	5.0	14.0	210.	159.	8.0	8.2		1.0
17	05	78	1325	0003	8.0	19.3		143.	7.6	8.2	6.9	13.
20	06	78	1745	0003	15.5	19.3	133.	141.	7.9	8.2	1.5	1.2
24	07	78	1230	0001	14.5	21.1		161.		8.3		.8
28	08	78	1140	0001	14.	18.7	190.	156.	8.0	8.5		.8
25	09	78	1100	0001	11.	19.6	190.	158.	8.1	8.5		.2
23	10	78	1120	0001	5.5	21.0	145.	179.	7.7	8.2		4.2
20	11	78	1215	0001	1.0	21.7	162.	173.	7.7	8.2		1.0
11	12	78	1115	0001	.5	20.1	180.	171.		8.0		.9
22	01	79	1115	0001	.0	21.4	165.	193.	8.5	8.0		.2
12	02	79	1130	0001	0.	22.3	125.	190.	7.9	8.		.5
05	03	79	1100	0001	.5	22.7	140.	159.	7.5	7.9		.5
25	04	79	1000	0003	4.0	21.6	420.	447.	8.3	8.1	6.5	13.
16	05	79	1225	0003	8.5	19.9	236.	175.	8.1	8.2	11.0	13.
06	06	79	1235	0003	8.5	21.		143.	8.3	7.9	5.1	6.0
18	07	79	1210	0003	17.5	24.6		161.	8.5	8.2	.6	2.3
29	08	79	1215	0003	17.	21.9		172.		8.5	.8	.6
20	09	79	1410	0003	14.	19.9	215.	176.	8.5	8.7	.9	.5
24	10	79	1245	0003	6.	21.9	185.	202.	7.8	8.2	1.1	.3
21	11	79	1311	0003	1.	20.3	180.	210.	8.1	8.1	1.3	1.4
13	12	79	1415	0003	.5	23.7	200.	215.	7.5	8.1	1.1	1.0

SAMPLE DATE					02011L COLOUR APPARENT	10401L RESIDUE NONFILTR.	10501L RESIDUE FIXED NONFILTR.	08101P OXYGEN DISSOLVED DO	08201L OXYGEN BIOCHEM. DEMAND-BOD	08301L OXYGEN TOTAL COD	06711L CHLORO-PHYLL A
		CST		SUBM				O2	O2	O2	
D	M	Y	HR	ID	REL. UNITS	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1050	0003	5.			11.8			
21	06	77	0950	0003	L5.	2.		9.9			
23	08	77	0835	0003	L5.	1.		8.8			
25	10	77	1520	0003	L5.	4.		10.4			
25	01	78	1345	0003	5.	L1.		11.2			
11	04	78	1740	0003	5.	2.		11.4			
17	05	78	1325	0003	L5.	2.		10.3			
20	06	78	1745	0003	L5.	L1.		10.5			
24	07	78	1230	0001	L5.	L1.		9.3			
28	08	78	1140	0001	L5.	L1.		8.8			
25	09	78	1100	0001	L5.			10.2			
23	10	78	1120	0001	L5.	3.		10.9			
20	11	78	1215	0001	L5.	2.		11.9			
11	12	78	1115	0001	L5.	L1.		13.6			
22	01	79	1115	0001	L5.	L1.		11.3			
12	02	79	1130	0001	L5.	38.		11.0			

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	02011L COLOUR APPARENT REL. UNITS	10401L RESIDUE NONFILTR. MG/L	10501L RESIDUE FIXED NONFILTR. MG/L	08101P OXYGEN DISSOLVED DO O2 MG/L	08201L OXYGEN BIOCHEM. DEMAND-BOD O2 MG/L	08301L OXYGEN TOTAL COD O2 MG/L	06711L CHLORO-PHYLL A MG/L
05	03	79	1100	0001	L5.	L1.		12.0			
25	04	79	1000	0003	15.	24.		11.0			
16	05	79	1225	0003	7.	11.		10.2			
06	06	79	1235	0003	5.	6.		10.1			
18	07	79	1210	0003	5.	L1.		9.6			
29	08	79	1215	0003	L5.	L1.		8.9			
20	09	79	1410	0003	L5.	L1.		9.8			
24	10	79	1245	0003	L5.	L1.		12.			
21	11	79	1311	0003	5.	2.		12.5			
13	12	79	1415	0003	5.	1.		12.9			

SAMPLE DATE D	M	Y	CST HR	SUBM ID	36002F COLIFORMS TOTAL MF NO/DL	36012F COLIFORMS FECAL MF NO/DL	36102F FECAL STREP. MF NO/DL	20103L CALCIUM DISSOLVED CA MG/L	12102L MAGNESIUM DISSOLVED MG MG/L	12101L MAGNESIUM DISSOLVED (CALCD.) MG MG/L	10606L HARDNESS TOTAL LAB CALC. CACO3 MG/L	10602L HARDNESS TOTAL (CALCD.) CACO3 MG/L
26	01	77	1050	0003				25.1	8.7			98.5
21	06	77	0950	0003				20.2	6.6			77.6
23	08	77	0835	0003				22.0	7.1			84.2
25	10	77	1520	0003				26.5	9.5			105.3
25	01	78	1345	0003	6. 02L	L2. 12L	L2. 02L	23.0	9.5			96.5
11	04	78	1740	0003	4. 02L	L2. 12L		22.7	7.8			88.8
17	05	78	1325	0003	34. 02L	L2. 12L		22.3	8.1			89.0
20	06	78	1745	0003	18. 02L	L2. 12L		20.0	6.7			77.5
24	07	78	1230	0001	8. 02L	L2. 12L		21.4	7.6			84.7
28	08	78	1140	0001	12. 02L	L2. 12L		20.8	7.3			82.0
25	09	78	1100	0001	2. 02L	L2. 12L		20.2	7.0			79.3
23	10	78	1120	0001	56. 02L	L2. 12L		24.1	8.8			96.4
20	11	78	1215	0001	L2. 02L	L2. 12L		24.3	8.7			96.5
11	12	78	1115	0001	L2. 02L	L2. 12L		23.8	8.0			92.4
22	01	79	1115	0001	2. 02L	L2. 12L		25.5	8.3			97.8
12	02	79	1130	0001	L2. 02L	L2. 12L		25.1	8.5			97.7
05	03	79	1100	0001	4. 02L	L2. 12L		21.2	7.9			85.5
25	04	79	1000	0003	12.	L2.		58.9	20.5			231.5
16	05	79	1225	0003	74.	10.		22.8	8.1			90.3
06	06	79	1235	0003	L2.	L2.		18.9	6.6			74.4
18	07	79	1210	0003	3.	3.		20.4	7.1			80.2
29	08	79	1215	0003	L2.	L2.		21.8	8.0			87.4
20	09	79	1410	0003	4.	3.		21.6	8.0			86.9
24	10	79	1245	0003	2.	L2.		25.7	8.9			100.8
21	11	79	1311	0003	9.	L2.		26.8	9.5			106.0
13	12	79	1415	0003	L2.	L2.		26.9	9.5			106.3

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800** E **5443800** N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK ALBERTA

SAMPLE DATE						06301L CARBONATE (CALCD.)	10151L ALKALINITY PHENOL PHTHALEIN	06201L BICARBONT. (CALCD.)	10101L ALKALINITY TOTAL	11103L SODIUM DISSOLVED	19103L POTASSIUM DISSOLVED	17206L CHLORIDE DISSOLVED	09105L FLUORIDE DISSOLVED
		CST			SUBM	CO3	CACO3	HCO3	CACO3	NA	K	CL	F
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1050		0003	0.	.0	110.	90.	.9	.2	.2	L.05
21	06	77	0950		0003	0.	.0	85.	70.0	.6	.3	.3	L.05
23	08	77	0835		0003	0.	.0	93.	76.	.8	.2	.2	L.05
25	10	77	1520		0003	0.	.0	110.	89.9	1.0	.4	.2	L.05
25	01	78	1345		0003	0.	.0	98.	80.6	.8	.2	.2	L.05
11	04	78	1740		0003	0.	0.	96.	79.	.8	.2	.2	L.05
17	05	78	1325		0003	0.	.0	98.	80.	1.0	.3	.3	L.05
20	06	78	1745		0003	1.	.7	85.	71.	.5	.3	.3	L.05
24	07	78	1230		0001	0.	0.	93.	76.	.8	.1	.3	L.05
28	08	78	1140		0001	1.	.5	90.	75.	.7	.2	.4	L.05
25	09	78	1100		0001	0.	0.	94.	77. 06L	.7	.2	.2	L.05
23	10	78	1120		0001	0.	.0	88.	72. 06L	.9	.2	.3	
20	11	78	1215		0001	0.	.0	91.	75. 06L	.8	.2	.3	L.01
11	12	78	1115		0001	0.	.0	88.	72. 06L	.7	.3	.2	L.05
22	01	79	1115		0001	0.	.0	98.	80. 06L	.8	.3	.3	L.05
12	02	79	1130		0001	0.	0.	95.	78. 06L	.8	.2	.3	L.05
05	03	79	1100		0001	0.	.0	85.	70. 06L	.7	.3	.2	L.05
25	04	79	1000		0003	0.	.0	247.	203. 06L	5.0	.9	1.1	.10
16	05	79	1225		0003	0.	.0	93.	76. 06L	.1	L.1	.3	L.05
06	06	79	1235		0003	0.	.0	73.	60. 06L	.6	.3	.3	L.05
18	07	79	1210		0003	0.	0	80.	66. 06L	.7	.1	.3	L.05
29	08	79	1215		0003				72. 06L	.8	.2	.3	L.05
20	09	79	1410		0003	3.	2.8	83.	74. 06L	.8	.2	.3	L.05
24	10	79	1245		0003	0.	.0	110.	90. 06L	1.2	.3	.4	L.05
21	11	79	1311		0003	0.	.0	116.	95. 06L	.9	.3	.3	L.05
13	12	79	1415		0003		.0			1.1	.4	.3	L.05

SAMPLE DATE						16306L SULPHATE DISSOLVED	14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST			SUBM	SO4	SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1050		0003	4.2	1.5 02L	95.	4.				20.
21	06	77	0950		0003	4.0	2.6 02L	77.	5.				14.
23	08	77	0835		0003	4.1	2.7 02L	83.	1.				16.
25	10	77	1520		0003	6.0	2.2 02L	100.	1.				21.
25	01	78	1345		0003	4.4	2.6 02L	89.	1.				19.
11	04	78	1740		0003	5.	2.8 02L	87.			3. 01L		
17	05	78	1325		0003	5.1	2.8 02L	88.		2.2	2. 01L	.17	
20	06	78	1745		0003	4.	2.9 02L	77.		1.2	1. 01L	.21	
24	07	78	1230		0001	4.	2.6	82.		1.1	1. 01L	.14	
28	08	78	1140		0001	4.	2.2	81.		Q1.5	L1. 01L	.46	
25	09	78	1100		0001	5.	1.4	81.		1.2	1.	.24	
23	10	78	1120		0001	4.	1.7	83.		Q1.7	L1.	.65	
20	11	78	1215		0001	5.	1.7	86.		Q1.2	L1.	.17	
11	12	78	1115		0001	5.	1.7	83.		2.1	2.	.11	
22	01	79	1115		0001	4.	2.3	90.		Q1.1	L1.	.13	
12	02	79	1130		0001	4.	2.0	88.		1.2	1.	.22	

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK ALBERTA

SAMPLE DATE					16306L SULPHATE DISSOLVED		14105L SILICA REACTIVE	00201L TOTAL DISSOLVED SOLIDS	06001L CARBON TOTAL ORGANIC	06002L CARBON TOTAL ORGANIC	06104L CARBON DISSOLVED ORGANIC	06902L CARBON ORGANIC PARTICUL.	06051L CARBON TOTAL INORGANIC
		CST		SUBM	SO4		SIO2	(CALCD.)	C	(CALCD.)	C	C	C
D	M	Y	HR	ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
05	03	79	1100	0001	4.		2.0	78.		1.1	1.	.14	
25	04	79	1000	0003	12.		6.8	227.			5.		
16	05	79	1225	0003	5.0		3.0	Q85.		Q1.4	L1.	.40	
06	06	79	1235	0003	4.1		2.9	70.		1.4	1.	.38	
18	07	79	1210	0003	4.0		3.0	75.		1.1	1.	.13	
29	08	79	1215	0003	4.8		2.9	82.		1.1	1.	.10	
20	09	79	1410	0003	4.7		1.8	82.		Q1.2	L1.	.17	
24	10	79	1245	0003	5.4		1.7	98.		2.2	2.	.17	
21	11	79	1311	0003	7.3		1.8	104.		1.2	1.	.20	
13	12	79	1415	0003	4.7		1.6			1.2	1.	.23	

SAMPLE DATE					06152L CARBON DISSOLVED INORGANIC		15406L PHOSPHORUS TOTAL	15103L PHOSPHORUS TOTAL DISSOLVED	15256L PHOSPHORUS DISSOLVED ORTHO PO4	15301L PHOSPHORUS TOTAL INORGANIC	07603L NITROGEN TOTAL (CALCD.)	07902L NITROGEN PARTICUL.	07651L NITROGEN DISSOLVED
		CST		SUBM	C		P	P	P	P	N	N	N
D	M	Y	HR	ID	MG/L		MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
28	01	77	1050	0003			.005						
21	06	77	0950	0003			.007						
23	08	77	0835	0003			.004						
25	10	77	1520	0003			.005						
25	01	78	1345	0003			.005						
11	04	78	1740	0003	18.	51L	.004	L.003					.13
17	06	78	1325	0003	18.	51L	.009	.005			.19	.03	.16
20	06	78	1745	0003	16.	51L	.006	.003			.25	.02	.23
24	07	78	1230	0001	16.	51L	L.003	L.003			.20	.04	.16
28	08	78	1140	0001	27.	51L	.003	L.003			.15	.03	.12
25	09	78	1100	0001	16.		.003	L.003			.12	.04	.08
23	10	78	1120	0001	19.		.17	L.003			.17	.08	.09
20	11	78	1215	0001	19.		.010	L.003			.16	.05	.11
11	12	78	1115	0001	19.		.004	L.003			.13	.03	.10
22	01	79	1115	0001	20.		.004	L.003			.15	.03	.12
12	02	79	1130	0001	22.		.003	L.003			.15	.04	.11
05	03	79	1100	0001	18.		L.003	L.003			.17	.03	.14
25	04	79	1000	0003	54.		.012	.004					.22
16	05	79	1225	0003	21.		.008	L.003			.24	.05	.19
06	06	79	1235	0003	18.		.004	L.003			.25	.07	.18
18	07	79	1210	0003	17.		L.003	L.003			.23	.03	.20
29	08	79	1215	0003	18.		L.003	L.003			.12	.01	.11
20	09	79	1410	0003	17.		.005	L.003			.10	.03	.07
24	10	79	1245	0003	21.		.004	L.003			.10	.04	.06
21	11	79	1311	0003	23.		.004	.003			.16	.05	.11
13	12	79	1415	0003	21.		L.003	L.003			.16	.06	.10

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800** E **5443800** N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE						07602L NITROGEN TOTAL (CALCD.)	07002L NITROGEN TOTAL KJELDAHL	07110L NITROGEN DISSOLVED NO3 & NO2	07506P NITROGEN TOTAL AMMONIA	06604P CYANIDE DISSOLVED	05105L BORON DISSOLVED	33104L ARSENIC DISSOLVED	34102L SELENIUM DISSOLVED
		CST			SUBM	N	N	N	N	CN	B	AS	SE
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1050		0003	.54	.5	.04		L.005	L.02	L.0005	L.0005
21	06	77	0950		0003	Q.20	L.1	.1		L.005	L.02	L.0005	.0009
23	08	77	0835		0003	Q.18	L.1	.08		L.005	.02	L.0005	L.0005
25	10	77	1520		0003	.14	.1	.04			.02	L.0005	L.0005
25	01	78	1345		0003	.18	.1	.08		L.005	L.02	L.0005	L.0005
11	04	78	1740		0003			.11			L.02	L.0005	L.0005
17	05	78	1325		0003			.12		.003	L.02	L.0005	L.0005
20	06	78	1745		0003			.14		.003	.02	L.0005	L.0005
24	07	78	1230		0001			.12		.001	L.02	L.0005	L.0005
28	08	78	1140		0001			.08		.002	L.02	L.0005	L.0005
25	09	78	1100		0001			.04		.003	L.02	L.0005	L.0005
23	10	78	1120		0001			.05		.002	L.02	L.0005	L.0005
20	11	78	1215		0001			.06		.003	.02	L.0005	L.0005
11	12	78	1115		0001			.7		.002	L.02	L.0005	L.0005
22	01	79	1115		0001			.08		.002	L.02	.0005	L.0005
12	02	79	1130		0001			.07		.002	L.02	L.0005	L.0005
05	03	79	1100		0001			.11		.001	L.02	L.0005	L.0005
25	04	79	1000		0003			.01		.009	.06	L.0005	L.0005
16	05	79	1225		0003			.11		.003	.02	.0005	L.0005
06	06	79	1235		0003			.12		.007	.02	L.0005	L.0005
18	07	79	1210		0003			.13		L.001	.04	.0005	L.0005
29	08	79	1215		0003			.07		.002	.02	.0005	L.0005
20	09	79	1410		0003					.001	L.02	L.0005	L.0005
24	10	79	1245		0003			.02		.001	L.02	L.0005	L.0005
21	11	79	1311		0003			.04		.001	L.02	L.0005	L.0005
13	12	79	1415		0003			.05		.001	L.02	L.0005	L.0005

SAMPLE DATE						04301P BERYLLIUM EXTRBLE.	13305P ALUMINUM EXTRBLE.	23302P VANADIUM EXTRBLE.	24302P CHROMIUM EXTRBLE.	25304P MANGANESE EXTRBLE.	26304P IRON EXTRBLE.	27302P COBALT EXTRBLE.	28302P NICKEL EXTRBLE.
		CST			SUBM	BE	AL	V	CR	MN	FE	CO	NI
D	M	Y	HR		ID	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
26	01	77	1050		0003	L.01	.012	L.001	L.015	.01	.05	L.002	.006
21	06	77	0950		0003	L.01	.022	L.001	L.015	.14	L.04	L.002	.002
23	08	77	0835		0003	L.01	.023	.001	L.015	.01	.08	L.002	L.002
25	10	77	1520		0003	L.01	.031	L.001	L.015	.02	.11	L.002	L.002
25	01	78	1345		0003	L.01	.006	L.001	L.015	.02	L.04	L.002	L.002
17	05	78	1325		0003			L.001		.01	.12	L.002	
20	06	78	1745		0003			L.001		L.01	.05	L.002	
24	07	78	1230		0001			L.001		L.01	L.04	L.002	
28	08	78	1140		0001			L.001		L.01	L.04	.002	
25	09	78	1100		0001			L.001		L.01	L.04	L.002	
23	10	78	1120		0001			L.001		.03	.23	.002	
20	11	78	1215		0001			L.001		.01	.08	L.002	
11	12	78	1115		0001			L.001		.01	.04	L.002	
22	01	79	1115		0001			L.001		.02	.07	L.002	
12	02	79	1130		0001			L.001		.02	L.04	.002	
05	03	79	1100		0001			L.001		.03	.09	L.002	

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK. ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	04301P BERYLLIUM EXTRBLE. BE MG/L	13305P ALUMINUM EXTRBLE. AL MG/L	23302P VANADIUM EXTRBLE. V MG/L	24302P CHROMIUM EXTRBLE. CR MG/L	25304P MANGANESE EXTRBLE. MN MG/L	26304P IRON EXTRBLE. FE MG/L	27302P COBALT EXTRBLE. CO MG/L	28302P NICKEL EXTRBLE. NI MG/L
25	04	79	1000	0003			.001		.02	.29	.003	
16	05	79	1225	0003			L.001		.02	.15	L.002	
06	06	79	1235	0003			L.001		.02	.22	L.002	
18	07	79	1210	0003			L.001		L.01	.14	L.002	
29	08	79	1215	0003			L.001		.01	.04	L.002	
20	09	79	1410	0003			L.001		.01	.05	.002	
24	10	79	1245	0003			L.001		.01	L.04	L.002	
21	11	79	1311	0003			L.001		L.01	.08	.002	
13	12	79	1415	0003			L.001		L.01	L.04	L.002	

SAMPLE DATE D	M	CST Y	HR	SUBM ID	29305P COPPER EXTRBLE. CU MG/L	30305P ZINC EXTRBLE. ZN MG/L	38301P STRONTIUM EXTRBLE. SR MG/L	42301P MOLYBDENUM EXTRBLE. MO MG/L	47301P SILVER EXTRBLE. AG MG/L	48302P CADMIUM EXTRBLE. CD MG/L	56301P BARIUM EXTRBLE. BA MG/L	80313P MERCURY EXTRBLE. HG UG/L
26	01	77	1010	0003	L.001	.001	.02			.001	.1	L.05
21	06	77	0900	0003	L.001	.001	.02			.001	.1	L.02
23	08	77	0835	0003	L.001	L.001	.03			L.001	.1	L.02
25	10	77	1520	0003	L.001	L.001	.02			L.001	.1	L.02
25	01	78	1345	0003	L.001	L.001	.04			L.001	.1	L.02
11	04	78	1740	0003								.02
17	05	78	1325	0003	L.001	L.001				L.001	.1	L.02
20	06	78	1745	0003	L.001	L.001				L.001	.1	L.02
24	07	78	1230	0001	L.001	L.001				L.001	.1	
28	08	78	1140	0001	L.001	L.001				L.001	.1	.07
25	09	78	1100	0001	L.001	L.001				L.001	.1	L.02
23	10	78	1120	0001	L.001	.001				.001	.1	.04
20	11	78	1215	0001	.002	L.001				.001	.1	L.02
11	12	78	1115	0001	.001	L.001				L.001	.1	L.02
22	01	79	1115	0001	.002	L.001				L.001	1	.02
12	02	79	1130	0001	.004	001				L.001	.1	L.02
05	03	79	1100	0001	.005	L.001				L.001	.1	.02
25	04	79	1000	0003	.002	L.001				L.001	.2	
16	05	79	1225	0003	.005	L.001				L.001	.1	
06	06	79	1235	0003	.005	.001				L.001	.1	
18	07	79	1210	0003	L.001	L.001				L.001	.1	
29	08	79	1215	0003	L.001	L.001				L.001	.1	
20	09	79	1410	0003	.002	.001				L.001	.1	
24	10	79	1245	0003	.002	L.001				L.001	.1	
21	11	79	1311	0003	L.001	L.001				L.001	.1	
13	12	79	1415	0003	.001	L.001				L.001	.1	

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
21	11	79	1311	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
13	12	79	1415	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18125L MIREX UG/L	18050L ALPHA-ENDOSULFAN UG/L	18055L BETA-ENDOSULFAN UG/L	18060L ALPHA-(CIS) CHLORDANE UG/L	18065L GAMMA-(TRANS) CHLORDANE UG/L	18070L GAMMA-BHC (LINDANE) UG/L	18075L ALPHA-BHC UG/L	18130L ALDRIN UG/L
26	01	77	1050	0003						L.001	L.001	
21	06	77	0950	0003						L.001	.005	
23	08	77	0835	0003						.001	.003	
25	10	77	1520	0003						L.001	.002	
25	01	78	1345	0003						L.001	.007	
20	06	78	1745	0003	L.001	L.001	L.003	L.003	L.002	.001	.006	L.001
24	07	78	1230	0001	L.001	L.001	L.003	L.003	L.002	L.001	.005	L.001
28	08	78	1140	0001	L.001	L.001	L.003	L.003	L.002	L.001	.007	L.001
25	09	78	1100	0001	L.001	L.001	L.003	L.003	L.002	.001	.014	L.001
23	10	78	1120	0001	L.001	L.001	L.003	L.003	L.002	L.001	.007	L.001
20	11	78	1215	0001	L.001	L.001	L.003	L.003	L.002		.004	L.001
11	12	78	1115	0001	L.001	L.001	L.003	L.003	L.002	.001	.008	L.001
22	01	79	1115	0001	L.001	L.001	L.003	L.003	L.002	.001	.008	L.001
12	02	79	1130	0001	L.001	L.001	L.003	L.003	L.002	L.001	.006	L.001
05	03	79	1100	0001	L.001	L.001	L.003	L.003	L.002	.001	.009	L.001
25	04	79	1000	0003	L.001	L.001	L.003	L.003	L.002	L.001	.002	L.001
16	05	79	1225	0003	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
06	06	79	1235	0003	L.001	L.001	L.003	L.003	L.002	L.001	.004	L.001
18	07	79	1210	0003	L.001	L.001	L.003	L.003	L.002	L.001	.003	L.001
29	08	79	1215	0003	L.001	L.001	L.003	L.003	L.002	L.001	.007	L.001
20	09	79	1410	0003	L.001	L.001	L.003	L.003	L.002	L.001	.007	L.001
24	10	79	1245	0003	L.001	L.001	L.003	L.003	L.002	.001	.02	L.001
21	11	79	1311	0003	L.001	L.001	L.003	L.003	L.002	.001	.01	L.001
13	12	79	1415	0003	L.001	L.001	L.003	L.003	L.002	.001	.02	L.001

SAMPLE DATE D	M	Y	CST HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
26	01	77	1050	0003				L.004	L.002	L.2 20L		L.009
21	06	77	0950	0003				.009	L.002	L.2 20L		L.009
23	08	77	0835	0003				L.004	L.002			L.009
25	10	77	1520	0003				L.004	L.002	L.2		L.009
25	01	78	1345	0003				L.004	L.002	L.2		L.009
17	05	78	1325	0003				L.004	L.002	L.2		L.009

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	Y	CST HR	SUBM ID	80011P MERCURY TOTAL HG UG/L	82302P LEAD EXTRBLE. PB MG/L	06535P PHENOLIC MATERIAL PHENOL MG/L	06521P OIL AND GREASE MG/L	06510P AROMATIC HYDROC. UG/L	06500P N-ALKANES C10 - C26 UG/L	10701P SURFACT. N-ALKYL SULPHNTS. LAS MG/L	10711P NTA NITRILOTRI ACETIC AC. H3NTA MG/L
26	01	77	1050	0003		.004	.002					
21	06	77	0960	0003		.004	.003					
23	08	77	0835	0003		L.004	.016					
25	10	77	1520	0003		L.004	.003					
25	01	78	1345	0003		L.004	L.001					
17	05	78	1325	0003		L.004	L.001					
20	06	78	1745	0003		L.004	L.001					
24	07	78	1230	0001		L.004	L.001					
28	08	78	1140	0001		L.004	L.001					
25	09	78	1100	0001		L.004	.001					
23	10	78	1120	0001		L.004	L.001					
20	11	78	1215	0001		L.004	L.001					
11	12	78	1115	0001		L.004	L.001					
22	01	79	1115	0001		L.004	L.001					
12	02	79	1130	0001		L.004	.001					
05	03	79	1100	0001		L.004	L.001					
25	04	79	1000	0003	.02	L.004	.002					
16	05	79	1225	0003	.17	L.004						
06	06	79	1235	0003	L.02	L.004	L.001					
18	07	79	1210	0003	L.02	L.004	.002					
29	08	79	1215	0003	L.02	L.004	L.001					
20	09	79	1410	0003	L.02	L.004	L.001					
24	10	79	1245	0003	L.02	L.004	L.001					
21	11	79	1311	0003	L.02	L.004	L.001					
13	12	79	1415	0003	L.02	L.004	L.001					

SAMPLE DATE D	M	Y	CST HR	SUBM ID	17811L HEXACHLORO-BENZENE UG/L	18000L P,P-DDT UG/L	18005L O,P-DDT UG/L	18010L P,P-TDE UG/L	18020L P,P-DDE UG/L	18030L P,P-METHOXY-CHLOR UG/L	18040L HEPTACHLOR UG/L	18045L HEPTACHLOR EPOXIDE UG/L
20	06	78	1745	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
24	07	78	1230	0001		L.004	L.001	L.002	L.001	L.01	L.001	L.002
28	08	78	1140	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
25	09	78	1100	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
23	10	78	1120	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
20	11	78	1215	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
11	12	78	1115	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
22	01	79	1115	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
12	02	79	1130	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
05	03	79	1100	0001	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
25	04	79	1000	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
16	05	79	1225	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
06	06	79	1235	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
18	07	79	1210	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
29	08	79	1215	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
20	09	79	1410	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002
24	10	79	1245	0003	L.001	L.004	L.001	L.002	L.001	L.01	L.001	L.002

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12** **292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18140L ENDRIN UG/L	18150L HEOD (DIELDRIN) UG/L	18370P TRI-FLURALIN UG/L	18500P 2,4-D UG/L	18510P 2,4,5-T UG/L	18520P MCPA UG/L	18540P FENOPROP (SILVEX) UG/L	18550P 2,4-DB UG/L
20	06	78	1745	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
24	07	78	1230	0001	L.002	L.002		L.004	L.002	L.2	L.004 40L	L.009
28	08	78	1140	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
25	09	78	1100	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
23	10	78	1120	0001	L.002	L.002		L.004	L.002	L.2	L.001	L.009
20	11	78	1215	0001	L.002	L.002						
11	12	78	1115	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
22	01	79	1115	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
12	02	79	1130	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
05	03	79	1100	0001	L.002	L.002		L.004	L.002	L.2	L.004	L.009
25	04	79	1000	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
16	05	79	1225	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
06	06	79	1235	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
18	07	79	1210	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
29	08	79	1215	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
20	09	79	1410	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
24	10	79	1245	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
21	11	79	1311	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009
13	12	79	1415	0003	L.002	L.002		L.004	L.002	L.2	L.004	L.009

SAMPLE DATE D	M	CST Y	HR	SUBM ID	18555P DICHLORPROP UG/L	1860YZ PICLORAM (TORDON) UG/L	18160L AROCLOR 1254 (PCB'S) UG/L	18161L AROCLOR 1248 (PCB'S) UG/L	18162L AROCLOR 1260 (PCB'S) UG/L
26	01	77	1050	0003	L.004		L.03	L.02	L.06
21	06	77	0950	0003	L.004		L.002	L.002	L.005
23	08	77	0835	0003	L.004		L.002	L.002	L.005
25	10	77	1520	0003	L.004		L.002	L.002	L.005
25	01	78	1345	0003	L.004		L.002	L.002	L.005
17	05	78	1325	0003	L.004				
20	06	78	1745	0003	L.004	L.2 01P	L.002	L.002	L.005
24	07	78	1230	0001	L.004	L.2 01P	L.002	L.002	L.005
28	08	78	1140	0001	L.004		L.002	L.002	L.005
25	09	78	1100	0001	L.004		L.002	L.002	L.005
23	10	78	1120	0001	L.004	L.2 01P	L.002	L.002	L.005
20	11	78	1215	0001		L.2 01P	L.002	L.002	L.005
11	12	78	1115	0001	L.004	L.2 01P	L.002	L.002	L.005
22	01	79	1115	0001	L.004	L.2 01P	L.002	L.002	L.005
12	02	79	1130	0001	L.004	L.2 01P	L.002	L.002	L.005
05	03	79	1100	0001	L.004	L.2 01P	L.002	L.002	L.005
25	04	79	1000	0003	L.004	L.2 01P	L.002	L.002	L.005
16	05	79	1225	0003	L.004	L.2 01P	L.002	L.002	L.005
06	06	79	1235	0003	L.004	L.2 01P	L.002	L.002	L.005
18	07	79	1210	0003	L.004	L.2 01P	L.002	L.002	L.005
29	08	79	1215	0003	L.004	L.2 01P	L.002	L.002	L.005
20	09	79	1410	0003	L.004	L.2 01P	L.002	L.002	L.005
24	10	79	1245	0003	L.004	L.2 01P	L.002	L.002	L.005

STATION **00AL05AD0005** LAT. **49** D **6** M **51** S LONG. **113** D **50** M **21** S UTM **12 292800**E **5443800**N

WATERTON RIVER AT HWY 6 BRIDGE NEAR
WATERTON LAKES NATIONAL PARK, ALBERTA

SAMPLE DATE						18555P DICHLORPROP	1860YZ PICLORAM (TORDON)	18160L AROCLOR 1254 (PCB'S)	18161L AROCLOR 1248 (PCB'S)	18162L AROCLOR 1260 (PCB'S)
D	M	CST Y	HR	SUBM ID		UG/L	UG/L	UG/L	UG/L	UG/L
21	11	79	1311	0003		L.004	L.2 31P	L.002	L.002	L.005
13	12	79	1415	0003		L.004	L.2 31P	L.002	L.002	L.005

POOR

QUALITY

ORIGINAL